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EDITORS:

V. NUSSENZWEIG

M.W. TURNER

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Scope of the Journal

The JOURNAL OF IMMUNOLOGICAL METHODS is devoted to covering techniques for: (1) quantitating and detecting antibodies and/or antigens and haptens based on antigen-antibody interactions; (2) fractionating and purifying immunoglobulins, lymphokines and other molecules of the immune system; (3) isolating antigens and other substances important in immunological processes; (4) labelling antigens and antibodies with radioactive and other markers; (5) localizing antigens and/or antibodies in tissues and cells, in vivo or in vitro; (6) detecting, enumerating and fractionating immunocompetent cells; (7) assaying for cellular immunity; (8) detecting cell-surface antigens by cell-cell interactions; (9) initiating immunity and unresponsiveness; (10) transplanting tissues; (11) studying items closely related to immunity such as complement, reticuloendothelial system and others. In addition the journal will publish articles on novel methods for analysing the organisation, structure and expression of genes for immunologically important molecules such as immunoglobulins, T cell receptors and accessory molecules involved in antigen recognition, processing and presentation. Articles on the molecular biological analysis of immunologically relevant receptor binding sites are also invited. Submitted manuscripts should describe new methods of broad applicability to immunology and not simply the application of an established method to a particular substance.

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Solid-phase antigen; *Fel d* I; Monoclonal antibody (Van Milligen, F.J. (162) 165)

Affinity measurement
Peptide binding; MHC class I; RMA-S; T2 (Elvin, J. (158) 161)

African horse sickness virus
Fusion-cloning; Hybridoma (Stäuber, N. (161) 157)

***Agaricus bisporus* lectin**
T disaccharide; IgA1; IgA2; IgD (Irazoqui, F.J. (156) 199)

Agglutination
Anti-idiotypic antibody; HBsAg; Monoclonal antibody, human (Cocchi, J.M. (160) 1)

Agglutination test
Ultrasound; Ultrasonic standing wave field; Ring transducer; Immunoprecipitation (Grundy, M.A. (165) 47)

Aggregation
Adhesion; Video microscopy; Digital image analysis (Munn, L.L. (166) 11)

AIDS
Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Alkaline phosphatase
Immunoliposome; Maleimidobenzoylphosphatidylethanolamine; Immunoassay; Anti-bovine serum albumin antibody; Liposome immune lysis (Kim, C.-K. (159) 101)

Biotinylation; Spin column; Meningococcal capsular polysaccharide; Enzyme immunoassay; Blocking buffer (Diaz Romero, J. (160) 35)

Allergen
Specific IgE assay (Olivieri, V. (157) 65)

Blocking antibody; IgG4; IgG subclass; IgG isotype; Monoclonal antibody (Lambin, P. (165) 99)

Alloantigen
Immunoprecipitation; Platelet; Biotin; Glycoprotein; (Antigen) (Smith, J.W. (158) 77)

Allograft survival
EA-rosette inhibition; Flow-cytometry; FcγR-blocking factors (Sandilands, G.P. (158) 257)

Amino acid analysis
Keyhole limpet hemocyanin; Heterobifunctional crosslinker; Synthetic peptide; Conjugate; Least square (Shuler, K.R. (156) 137)

Ammonia
In vitro; Culture medium; Glutamine; Proliferation (Heeneman, S. (166) 85)

Ammonium chloride lysis
IL-2 receptor; Monoclonal antibody; Flow cytometry (Webster, G.A. (163) 115)

Amphetamine
Immunoassay; Latex agglutination (Mongkolsirichaikul, D. (157) 189)

Anaphylatoxin assay
C3a/C3adR; C3; C5a/C5adR; Monoclonal antibody (Hartmann, H. (166) 35)

Androgen receptor
X inactivation; X-linked agammaglobulinemia; Immunomagnetic bead; B cell, purified; Carrier determination (Alterman, L.A. (166) 111)

Animal model
Eosinophil; Eosinophil peroxidase; Asthma (Tagari, P. (163) 49)

Animal models
Lymphocyte subsets; Lysed whole blood; Three-color immunofluorescence (Peakman, M. (158) 87)

Anti-B cell antibody
Crossmatch; Flow cytometric B cell crossmatch; Anti-HLA class II antibody (Berteli, A.J. (164) 21)

Anti-biotin
Affinity; Avidity; Streptavidin; Enzyme immunoassay (Vincent, P. (165) 177)

Antibody-coated density particle
Cell separation; Isopycnic density centrifugation; Iodinated gradient medium; Density perturbation; Dynabeads; Confocal microscopy (Patel, D. (163) 241)

Antibody-directed enzyme-prodrug therapy
Conjugate; Antibody-enzyme conjugate; Carboxypeptidase G_2; Monoclonal antibody; Carcinoembryonic antigen (Melton, R.G. (158) 49)

Antibody-enzyme conjugate
Conjugate; Antibody-directed enzyme-prodrug therapy; Carboxypeptidase G_2; Monoclonal antibody; Carcinoembryonic antigen (Melton, R.G. (158) 49)

Antibody-forming cell
Lateral diffusion; Cell culture; *Trichinella*; in vitro; Phosphorylcholine (Ubeira, F.M. (159) 107)

Antibody-forming cell assay
Flavivirus; Japanese encephalitis virus; Avidin-biotin; B cell (García-García, J. (157) 259)

Antibody fragment
Single-chain antibody; Variable region; Cloning; Hybridoma; In vitro expression (Nicholls, P.J. (165) 81)

Antibody neutralization
MTT; Myonecrosis; Snake venom; *Micrurus* (Lomonte, B. (161) 231)

Antibody production
Immunization; Freund's adjuvant; Emulsion; (Antigen) (Moncada, C. (162) 133)

Antibody secreting cells
In vitro immunization; Peripheral blood lymphocyte, human; *Candida albicans*; ELISPOT (Giacomini, E. (164) 203)

Anti-bovine serum albumin antibody
Immunoliposome; Maleimidobenzoylphosphatidylethanolamine; Alkaline phosphatase; Immunoassay; Liposome immune lysis (Kim, C.-K. (159) 101)

Anti-CD40
Cytotoxic T lymphocyte; B cell line; Cytotoxic T lymphocyte epitope; Epstein-Barr virus; Lymphoblastoid cell line; Recombinant vaccinia virus (Khanna, R. (164) 41)

Anticoagulant
Flow cytometry; HIV infection; Immunophenotyping (Nicholson, J.K.A. (165) 31)

Anticomplementary activity
Intravenous immunoglobulin; Complement activity (Törmä, E. (164) 101)

Anti-dsDNA antibody
Specificity; ELISA (Rupin, A. (160) 245)

Anti-ganglioside antibody
Polyvinylidene difluoride membrane; Immunodetection; Dot blot (Chabraoui, F. (165) 225)

Antigen binding fragment
Enzymatic digestion; IgY; Purification (Akita, E.M. (162) 155)

Antigen-coated particle
HIV-1 gp160; Latex microsphere; Cell-mediated immunity; Lymphocyte proliferation (Wu, J.-Y. (159) 39)

Antigenic competition
E. coli antigen; Immunization; Immune suppression; Heterologous antiserum; Immunoblotting (Hammerl, P. (160) 155)

Antigenic peptide
Conjugation to bovine serum albumin; ELISA (Price, M.R. (159) 277)

Antigen presentation
Cytotoxic T lymphocyte; Commercial liposome; Electroporation (Chen, W. (160) 49)

Antigen presenting cell
Immortalization; Intestinal epithelial cell; Major histocompatibility complex class II (Vidal, K. (166) 63)

Antigen processing
Europium; Class II major histocompatibility complex; Peptide binding (Tompkins, S.M. (163) 209)

Antigen-specific B cell
Panning; Paramagnetic immunobead; Selection; Monoclonal antibody; B cell clone; Mini-electrofusion (Steenbakkers, P.G.A. (163) 33)

Anti-HIV antibody detection
ELISA, combination; HBsAg detection; Dual-marker enzyme system; Synthetic HIV peptide; HIV; HBs; Hepatitis B (Porstmann, T. (158) 95)

Anti-HLA class II antibody
Crossmatch; Flow cytometric B cell crossmatch; Anti-B cell antibody (Berteli, A.J. (164) 21)

Anti-idiotypic antibody
Agglutination; HBsAg; Monoclonal antibody, human (Cocchi, J.M. (160) 1)

Anti-IL-2 receptor antibody
IL-2; CTLL-2; Enzyme kinetics equation; Serum IL-2 inhibitor (Svirshchevskaya, E.V. (159) 17)

Anti-immunoglobulin antibody
Monoclonal antibody, anti-peptide; ELISA; Supernatant screening; False positive results (Smith, S.C. (158) 151)

Anti-neoantigen antibody
C5b-9; Terminal complement complex; ELISA (Accardo-Palumbo, A. (163) 169)

Anti-neuronal antibody
Chromatography, wheat germ lectin affinity; Temperature-induced phase separation; Brain integral membrane protein; Systemic lupus erythematosus; Neuropsychiatric lupus (Hanly, J.G. (161) 107)

Anti-neutrophil cytoplasmic antibody
Immunofluorescence; Wegener's granulomatosis; Vasculitis; Standardization (Hagen, E.C. (159) 1)

Proteinase-3; α_1-Antitrypsin; Purulent sputum (Ballieux, B.E.P.B. (159) 63)

Anti-peptide antibody
$p34^{cdc2}$; Multiple antigen peptide (Kamo, K. (156) 163)

Multiple antigen peptide; Anti-protein antibody; Synthetic vaccine; ELISA (Briand, J.-P. (156) 255)

T cell epitope; Competitive inhibition; Major histocompatibility complex class II-peptide complex (Brumeanu, T.D. (160) 65)

Anti-pituitary autoantibody
Immunoblotting; Growth hormone deficiency; Empty sella syndrome (Crock, P. (162) 31)

Anti-polysaccharide antibody
Chemical modification; Enzyme immunoassay; Binding site mapping; Idiotope (Gudmundsson, B.-M.E. (158) 215)

Anti-protein antibody
Multiple antigen peptide; Anti-peptide antibody; Synthetic vaccine; ELISA (Briand, J.-P. (156) 255)

Anti-transforming growth factor β_1 antibody
ELISA; Transforming growth factor β_1; Retinoic acid; Fibrosarcoma cell, human; Submaxillary gland; (Spleen) (Danielpour, D. (158) 17)

α_1-Antitrypsin
Proteinase-3; Anti-neutrophil cytoplasmic antibody; Purulent sputum (Ballieux, B.E.P.B. (159) 63)

Apolipoprotein B
Glycation; Monoclonal antibody; Atherosclerosis; Diabetes (Shea, E.A. (162) 85)

Articular cartilage
Type II collagen; Osteoarthritis; Monoclonal antibody; ELISA (Srinivas, G.R. (159) 53)

Artificial receptor
Palmitate-conjugated protein; Protein A; Cell-cell interaction (Kim, S.A. (158) 57)

Ascites
Ovalbumin; Polyclonal antibody; Monoclonal antibody; (Mouse) (Mahana, W. (161) 187)

Asthma
Hypodense eosinophil; Density gradient centrifugation; Rheumatoid arthritis (Moens, M.M. (156) 271)

T cell; Mucosal immunology (McMenamin, C. (160) 219)

Eosinophil; Eosinophil peroxidase; Animal model (Tagari, P. (163) 49)

Atherosclerosis
Apolipoprotein B; Glycation; Monoclonal antibody; Diabetes (Shea, E.A. (162) 85)

Atrazine determination
Fiber optical sensor; Weak competitor; Monoclonal antibody (Jockers, R. (163) 161)

Autoantigen
Epitope for mapping human thyrotropin receptor; Autoimmunity (Burch, H.B. (158) 123)

Autoimmune disease
Systemic sclerosis; ELISA; Topoisomerase I; Scl-70; Recombinant antigen (Seelig, H.P. (165) 241)

Autoimmunity
Epitope for mapping human thyrotropin receptor; Autoantigen (Burch, H.B. (158) 123)

Autologous agglutination test
HIV-1 seropositivity; Kinetic analysis; Monoclonal antibody, anti-glycophorin; Erythrocyte (Catimel, B. (165) 183)

Automated microplate assay
2′,7′-Dichlorofluorescin-diacetate; Respiratory burst; Phagocyte (Rosenkranz, A.R. (156) 39)

Automatic counting
ELISA spot; Chemiluminescence; Isotype switching (Spira, G. (165) 263)

Avidin
Biotin; Complement; Lysis; Biotinyl-lipid; Membrane modification (Muzykantov, V.R. (158) 183)

Avidin-biotin
Antibody-forming cell assay; Flavivirus; Japanese encephalitis virus; B cell (García-García, J. (157) 259)

Avidin-biotin system
Targeted proteolysis; Cell sorting; Streptavidin; Transferrin receptor (Alon, R. (165) 127)

Avidity
ELISPOT; Tetanus toxoid; Diphtheria toxoid; Polysaccharide; Affinity (Barington, T. (156) 191)

Affinity; ELISA; Monoclonal antibody; (Antibody) (Underwood, P.A. (164) 119)

Affinity; Anti-biotin; Streptavidin; Enzyme immunoassay (Vincent, P. (165) 177)

Azide
Dichlorofluorescein diacetate; Dihydrorhodamine 123; Flow cytometry; Granulocyte; Reactive oxygen species (Smith, J.A. (162) 261)

B

Bacterial antigen
Viral antigen; T cell proliferation; T cell clone; Latex microsphere; SDS-PAGE (Katrak, K. (156) 247)

Bactericidal activity
Macrophage; Mycobacterium; Infection; Polymerase chain reaction; BCG (Barrera, L.F. (157) 91)

Bactericidal assay
Colorimetric assay; MTT; XTT (Stevens, M.G. (157) 225)

Bacterium
Liposome; Microbial vaccine; Immunological adjuvant (Antimisiaris, S.G. (166) 271)

Band 3
Immunoblotting; Glycophorin; Variant forms; Monoclonal antibody (Wasniowska, K. (160) 253)

Basophil
IgE; Membrane; Phosphoinositide; Phosphoenolpyruvate; α-Toxin (Kuhn, D.E. (157) 81)

IgE; (Mouse) (Kawabata, T.T. (162) 9)

Flow cytometry: Monoclonal antibody; Surface phenotyping (Takahashi, K. (162) 17)

Basophil, human
Negative selection; Immunomagnetic bead; Histamine release (Bjerke, T. (157) 49)

B cell
Antibody-forming cell assay; Flavivirus; Japanese encephalitis virus; Avidin-biotin (García-García, J. (157) 259)

B cell clone
Panning; Paramagnetic immunobead; Selection; Antigen-specific B cell; Monoclonal antibody; Mini-electrofusion (Steenbakkers, P.G.A. (163) 33)

B cell line
Cytotoxic T lymphocyte; Anti-CD40; Cytotoxic T lymphocyte epitope; Epstein-Barr virus; Lymphoblastoid cell line; Recombinant vaccinia virus (Khanna, R. (164) 41)

B cell, purified
X inactivation; X-linked agammaglobulinemia; Androgen receptor; Immunomagnetic bead; Carrier determination (Alterman, L.A. (166) 111)

BCG
Macrophage; Mycobacterium; Infection; Polymerase chain reaction; Bactericidal activity (Barrera, L.F. (157) 91)

BIAcore
Monoclonal antibody; Myoglobin; Immunoassay; Biosensor; Real time biospecific interaction analysis (Johne, B. (160) 191)

Affinity; Biosensor; Kinetics; Monoclonal antibody; Tobacco mosaic virus (Pellequer, J.L. (166) 133)

Binding
Entamoeba histolytica; Enterocyte; Cytokine; Fluorescence (Flores-Romo, L. (166) 243)

Binding assay
C-reactive protein; Phosphorylcholine; Ca^{2+} binding; Affinity capillary electrophoresis (Heegaard, N.H.H. (166) 103)

Binding site mapping
Anti-polysaccharide antibody; Chemical modification; Enzyme immunoassay; Idiotope (Gudmundsson, B.-M.E. (158) 215)

Bioassay
Inverse regression; Inverse confidence interval; Nonlinear regression; Drug potency determination (Alvord, W.G. (157) 155)

Adenosine triphosphate bioluminescence; Cell proliferation; Cell cytotoxicity; Cytokine (Crouch, S.P.M. (160) 81)

Tumor necrosis factor, porcine; Septic shock (Bertoni, G. (160) 267)

Transforming growth factor β; Cytokine quantification (Randall, L.A. (164) 61)

Biosensor
Displacement; Immunoassay (Wemhoff, G.A. (156) 223)

Monoclonal antibody; Myoglobin; Immunoassay; BIAcore; Real time biospecific interaction analysis (Johne, B. (160) 191)

Newcastle disease virus; Streptavidin; Biotin; Filtration; Detection; Light addressable potentiometric sensor; Immunoassay (Lee, W.E. (166) 123)

Affinity; BIAcore; Kinetics; Monoclonal antibody; Tobacco mosaic virus (Pellequer, J.L. (166) 133)

Biotechnology
DNA; Pyrophosphate; Dosage; Gene amplification (Tabary, T. (156) 55)

Biotin
Immunoprecipitation; Platelet; Alloantigen; Glycoprotein; (Antigen) (Smith, J.W. (158) 77)

Avidin; Complement; Lysis; Biotinyl-lipid; Membrane modification (Muzykantov, V.R. (158) 183)

Newcastle disease virus; Streptavidin; Filtration; Detection; Biosensor; Light addressable potentiometric sensor; Immunoassay (Lee, W.E. (166) 123)

Biotinylated DNA probe
Papillomavirus typing; Carcinoma cell line, human; Fluorescent in situ hybridization; Confocal laser scanning microscopy; Flow cytometry (Lizard, G. (157) 31)

Biotinylation
Defensin; Monoclonal antibody; ELISA (Panyutich, A.V. (158) 237)

Spin column; Meningococcal capsular polysaccharide; Enzyme immunoassay; Alkaline phosphatase; Blocking buffer (Diaz Romero, J. (160) 35)

Biotinyl-lipid
Avidin; Biotin; Complement; Lysis; Membrane modification (Muzykantov, V.R. (158) 183)

Bispecific antibody
IgA/IgM hybrid; Enzyme immunoassay; Human chorionic gonadotropin (Behrsing, O. (156) 69)

Bispecific monoclonal antibody
Fluorescence-activated cell sorting; HAT medium selection; Hybrid hybridoma; Carcinoembryonic antigen; Horseradish peroxidase (Jantscheff, P. (163) 91)

Blocking agent
Immunoblotting; High background; Human serum albumin (Craig, W.Y. (158) 67)

Blocking antibody
Allergen; IgG4; IgG subclass; IgG isotype; Monoclonal antibody (Lambin, P. (165) 99)

Blocking buffer
Biotinylation; Spin column; Meningococcal capsular polysaccharide; Enzyme immunoassay; Alkaline phosphatase (Diaz Romero, J. (160) 35)

Blood group antigen
ELISA; Exoglycosidase (Hobbs, L. (160) 261)

Kell; Lutheran; Yt; Acetylcholinesterase; Monoclonal antibody immobilization of erythrocyte antigen (Petty, A.C. (161) 91)

Blood group typing
H antigen; Monoclonal antibody, anti-H; Carbohydrate specificity; Fucosylated glycoconjugate (Nakajima, T. (159) 261)

Blood protein
α_2 Macroglobulin; Epitope mapping; Monoclonal antibody; ELISA (Birkenmeier, G. (162) 59)

Blotting
Hemopexin; ELISA (Hrkal, Z. (161) 265)

B lymphocyte
In vivo labelling; Fluorescent dye; Laser flow cytometry; Insulin specific antibody; (Spleen) (Khalaf, A.-N. (165) 121)

Membrane IgD; Membrane IgM; ELISA; Flow cytometry (Zhang, M. (166) 215)

Brain integral membrane protein
Chromatography, wheat germ lectin affinity; Temperature-induced phase separation; Systemic lupus erythematosus; Antineuronal antibody; Neuropsychiatric lupus (Hanly, J.G. (161) 107)

C

C3
Complement component; C4; C5; Chicken antibody; ELISA (Larsson, A. (156) 79)

C3a/C3adR; C5a/C5adR; Anaphylatoxin assay; Monoclonal antibody (Hartmann, H. (166) 35)

C3a/C3adR
C3; C5a/C5adR; Anaphylatoxin assay; Monoclonal antibody (Hartmann, H. (166) 35)

C3a complement component
Gamma globulin; Dot blotting (Nezlin, R. (163) 269)

C4
Complement component; C3; C5; Chicken antibody; ELISA (Larsson, A. (156) 79)

Complement; C4b; C4(H_2O); C4b-binding protein; Chromatography, fast protein liquid (Hessing, M. (157) 39)

C5
Complement component; C3; C4; Chicken antibody; ELISA (Larsson, A. (156) 79)

C5a/C5adR
C3a/C3adR; C3; Anaphylatoxin assay; Monoclonal antibody (Hartmann, H. (166) 35)

Ca^{2+} binding
C-reactive protein; Binding assay; Phosphorylcholine; Affinity capillary electrophoresis (Heegaard, N.H.H. (166) 103)

Ca^{2+} imaging
T cell; CD3; CD4; CD8; Intracellular Ca^{2+} (Katayama, Y. (166) 145)

Calcein AM
Cell adherence; Endothelial cell; Fluorescence (Akeson, A.L. (163) 181)

Candida albicans
Growth inhibition; Lymphocyte (Beno, D.W.A. (164) 155)

In vitro immunization; Peripheral blood lymphocyte, human; Antibody secreting cells; ELISPOT (Giacomini, E. (164) 203)

Adhesion; Lymphocyte; YT (Forsyth, C.B. (165) 113)

Canine distemper virus
Phocid; Immunoglobulin; Monoclonal antibody (King, D.P. (160) 163)

Carbocyanine
Clustering; Monocyte; Lymphocyte (Gant, V.A. (156) 179)

Carbohydrate specificity
H antigen; Monoclonal antibody, anti-H; Blood group typing; Fucosylated glycoconjugate (Nakajima, T. (159) 261)

Carboxypeptidase G_2
Conjugate; Antibody-directed enzyme-prodrug therapy; Antibody-enzyme conjugate; Monoclonal antibody; Carcinoembryonic antigen (Melton, R.G. (158) 49)

Carcinoembryonic antigen
Conjugate; Antibody-directed enzyme-prodrug therapy; Antibody-enzyme conjugate; Carboxypeptidase G_2; Monoclonal antibody (Melton, R.G. (158) 49)

Dot immunobinding assay; Photothermal deflection; ELISA; IgE (Matsuzawa, S. (161) 59)

Carcinoembryonic antigen-related normal antigen; Monoclonal antibody; Enzyme immunoassay (Nagasaki, H. (162) 235)

Bispecific monoclonal antibody; Fluorescence-activated cell sorting; HAT medium selection; Hybrid hybridoma; Horseradish peroxidase (Jantscheff, P. (163) 91)

Carcinoembryonic antigen-related normal antigen
Carcinoembryonic antigen; Monoclonal antibody; Enzyme immunoassay (Nagasaki, H. (162) 235)

Carcinoma cell line, human
Papillomavirus typing; Biotinylated DNA probe; Fluorescent in situ hybridization; Confocal laser scanning microscopy; Flow cytometry (Lizard, G. (157) 31)

Carrier determination
X inactivation; X-linked agammaglobulinemia; Androgen receptor; Immunomagnetic bead; B cell, purified (Alterman, L.A. (166) 111)

Casein
ELISA; Silica; Glycolipid; Sulfolipid; Ganglioside; Chondroitin sulfate (Frey II, W.H. (164) 275)

C3bi receptor
Flow cytometric assay; Fc receptor; C3b receptor; Herpes simplex virus type 1 (Van Vliet, K.E. (157) 57)

C3b receptor
Flow cytometric assay; Fc receptor; C3bi receptor; Herpes simplex virus type 1 (Van Vliet, K.E. (157) 57)

C4b
Complement; C4; C4(H_2O); C4b-binding protein; Chromatography, fast protein liquid (Hessing, M. (157) 39)

C4b/c
Complement; ELISA; Classical pathway; Monoclonal antibody (Wolbink, G.J. (163) 67)

C4b-binding protein
Complement; C4; C4b; C4(H_2O); Chromatography, fast protein liquid (Hessing, M. (157) 39)

C5b-9
Terminal complement complex; ELISA; Anti-neoantigen antibody (Accardo-Palumbo, A. (163) 169)

CD antigen
Monoclonal antibody; (Rabbit) (Kotani, M. (157) 241)

CD3
T cell; CD4; CD8; Intracellular Ca^{2+}; Ca^{2+} imaging (Katayama, Y. (166) 145)

CD4
T cell; CD3; CD8; Intracellular Ca^{2+}; Ca^{2+} imaging (Katayama, Y. (166) 145)

CD4 subset
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

$CD4^+$ T cell clone
SCID mouse; Adoptive transfer; Clonal T cell growth in vivo (Rudolphi, A. (158) 27)

CD8
T cell; CD3; CD4; Intracellular Ca^{2+}; Ca^{2+} imaging (Katayama, Y. (166) 145)

$CD8^{bright}$ cell
$CD8^{dim}$ cell; Positive selection (Prince, H.E. (165) 139)

$CD8^{dim}$ cell
$CD8^{bright}$ cell; Positive selection (Prince, H.E. (165) 139)

CD8 subset
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; T cell subset (Mandy, F.F. (156) 151)

CD8 T cell
HIV infection; Immune response to virus (Hausner, M.A. (157) 181)

$CD8^+$ T cell, human
Immunomagnetic separation; Detachment; Cellular immune response; Measles virus; HIV (Geretti, A.M. (161) 129)

CD11b
Flow cytometry; Neutrophil; Monocyte; Integrin (Repo, H. (164) 193)

CD14
Monocyte depletion; Panning; Accessory function; T cell proliferation (Holtrop, S. (156) 217)

CD32, soluble
ELISA; FcγRIIA, secreted soluble; Human serum (Astier, A. (166) 1)

CD40 system
Monoclonal antibody, human; Hybridoma; Peripheral B lymphocyte (Darveau, A. (159) 139)

CD45RO / RA
Flow cytometry; Three-color staining; Lymphocyte subpopulation (Gruber, R. (163) 173)

CD62
ELAM-1; GMP140; PADGEM; Adhesion; Immunoglobulin fusion; E-Selectin; P-Selectin (Dietsch, M.T. (162) 123)

CD71
Nucleated red blood cell; Cell Isolation (Bhat, N.M. (158) 277)

Cell adherence
Endothelial cell; Fluorescence; Calcein AM (Akeson, A.L. (163) 181)

Cell adhesion
Lymphocyte; Leukocyte function associated antigen-1 (CD11a/CD18); Adhesion molecule (Miki, I. (164) 255)

Cell-cell interaction
Palmitate-conjugated protein; Protein A; Artificial receptor (Kim, S.A. (158) 57)

Cell cloning
T lymphocyte; Cell culture; Flow cytometry (Stemme, S. (156) 107)

Cell concentration
Macrophage; Monocyte; Neutrophil; Superoxide (Tritsch, G.L. (160) 59)

Cell culture
T lymphocyte; Cell cloning; Flow cytometry (Stemme, S. (156) 107)

Lateral diffusion; *Trichinella*; Antibody-forming cell; in vitro; Phosphorylcholine (Ubeira, F.M. (159) 107)

Cell cytotoxicity
Adenosine triphosphate bioluminescence; Cell proliferation; Cytokine; Bioassay (Crouch, S.P.M. (160) 81)

Cell-free protein biosynthesis
Epitope mapping; Monoclonal antibody; Tryptophan synthase (Friguet, B. (158) 243)

Cell growth
Tetrazolium salt; Lymphokine assay; Colorimetric assay (Buttke, T.M. (157) 233)

Cell Isolation
CD71; Nucleated red blood cell (Bhat, N.M. (158) 277)

Cell line
Mycoplasma; Polymerase chain reaction; Hybridization (Hopert, A. (164) 91)

Cell-mediated immunity
HIV-1 gp160; Latex microsphere; Antigen-coated particle; Lymphocyte proliferation (Wu, J.-Y. (159) 39)

Cell motility
Cell shape; Fourier analysis; Lymphocyte; T cell lymphoma (Verschueren, H. (163) 99)

Cell proliferation
Adenosine triphosphate bioluminescence; Cell cytotoxicity; Cytokine; Bioassay (Crouch, S.P.M. (160) 81)

Cell proliferation and cell viability test
Cytokine; Interleukin-2; Tetrazolium salt; Colorimetric assay (Sladowski, D. (157) 203)

Cell separation
Octadecyl silica; IgM-bearing cell (Seeger, M. (162) 109)

Isopycnic density centrifugation; Iodinated gradient medium; Density perturbation; Antibody-coated density particle; Dynabeads; Confocal microscopy (Patel, D. (163) 241)

Magnetic bead; Surface antigen; Confocal microscopy (Rubbi, C.P. (166) 233)

Cell separator
Immunomagnetic colloid; Monoclonal antibody; Ferrofluid (Hancock, J.P. (164) 51)

Cell shape
Cell motility; Fourier analysis; Lymphocyte; T cell lymphoma (Verschueren, H. (163) 99)

Cell sorting
Avidin-biotin system; Targeted proteolysis; Streptavidin; Transferrin receptor (Alon, R. (165) 127)

Cell tracking
Lymphocyte migration; Quantification of cell locomotion; Trajectory; Collagen matrix; Integrin (Friedl, P. (165) 157)

Cellular cytotoxic assay
[^{35}S]methionine; [^{75}Se]selenomethionine; Chromium-51; Dual labelling; Release kinetic (Heymer, J. (161) 217)

Cellular cytotoxicity
Membrane fluorescence; Natural killer cell; Lymphokine activated killer cell; Activated T cell (Kroesen, B.-J. (156) 47)

Cellular immune response
$CD8^+$ T cell, human; Immunomagnetic separation; Detachment; Measles virus; HIV (Geretti, A.M. (161) 129)

Cerebrospinal fluid
ELISA, sandwich; Choline acetyltransferase; Serum (Ostermann-Latif, C. (157) 73)

CH50
Complement activation; Complement component; Classical pathway activation; (In vivo); (In vitro) (Maillet, F. (156) 171)

Chemical conjugation
Synthetic peptide; Iscom; Immunogenicity; Peptide vaccine (Larsson, M. (162) 257)

Chemical modification
Anti-polysaccharide antibody; Enzyme immunoassay; Binding site mapping; Idiotope (Gudmundsson, B.-M.E. (158) 215)

Chemiluminescence
ELISA spot; Isotype switching; Automatic counting (Spira, G. (165) 263)

Chemotaxis
Colorimetric assay; MTT (Shi, Y. (164) 149)

Chicken antibody
Complement component; C3; C4; C5; ELISA (Larsson, A. (156) 79)

Chikungunya virus
Neutralizing antibody; Detection; Cytotoxicity; Protection; Immune response; Vaccine efficacy; Shigella toxin; Influenza virus (Van de Water, C. (166) 157)

Chimeric antibody, human-mouse
Monoclonal antibody, murine; Specificity (Hamilton, R.G. (158) 107)

Chlamydia trachomatis
Immunoassay; Idiotype/anti-idiotype; Heat-shock protein (Laferrière, C. (163) 123)

C4(H_2O)
Complement; C4; C4b; C4b-binding protein; Chromatography, fast protein liquid (Hessing, M. (157) 39)

Choline acetyltransferase
ELISA, sandwich; Cerebrospinal fluid; Serum (Ostermann-Latif, C. (157) 73)

Chondroitin sulfate
ELISA; Silica; Glycolipid; Sulfolipid; Ganglioside; Casein (Frey II, W.H. (164) 275)

Chromatography
Chromatography, fast protein liquid; IgG fraction; Monoclonal antibody (Mazza, G. (161) 193)

Chromatography, affinity
Polysaccharide chemistry; Hapten substitution; Labelling; Conjugation; Immunoadsorbent (Ey, P.L. (160) 135)

Protein L; Immunoglobulin; Fab; Fv; (Humanized) (Nilson, B.H.K. (164) 33)

Prokaryotic expression; Recombinant preproinsulin; Insulin autoantibody; Insulin-dependent diabetes mellitus (Berg, H. (164) 221)

Nitrocellulose; (Antibody) (Hammerl, P. (165) 59)

Chromatography, fast protein liquid
Complement; C4; C4b; C4(H_2O); C4b-binding protein (Hessing, M. (157) 39)

Chromatography; IgG fraction; Monoclonal antibody (Mazza, G. (161) 193)

Chromatography, high performance electrophoretic
Schistosoma; T cell antigen; Vaccination; Th1 lymphocyte (Mountford, A.P. (160) 237)

Chromatography, high performance liquid
mRNA; Non-radioactive; Quantitation; Polymerase chain reaction (Gaus, H. (158) 229)

Separation method; Different molecular form; Monoclonal antibody, mouse IgA and IgM; Hydroxyapatite bead (Aoyama, K. (162) 201)

Chromatography, wheat germ lectin affinity
Temperature-induced phase separation; Brain integral membrane protein; Systemic lupus erythematosus; Antineuronal antibody; Neuropsychiatric lupus (Hanly, J.G. (161) 107)

Chromium-51
Cellular cytotoxic assay; [^{35}S]methionine; [^{75}Se]selenomethionine; Dual labelling; Release kinetic (Heymer, J. (161) 217)

$C\bar{1}$ inhibitor
(Donaldson, V.H. (157) 101)

Classical pathway
Complement; C4b/c; ELISA; Monoclonal antibody (Wolbink, G.J. (163) 67)

Classical pathway activation
Complement activation; CH50; Complement component; (In vivo); (In vitro) (Maillet, F. (156) 171)

Class II major histocompatibility complex
Europium; Peptide binding; Antigen processing (Tompkins, S.M. (163) 209)

Class switch
In vitro immunization; Monoclonal IgG1 antibody; T_H2 cell (Uthoff, S. (166) 165)

Clonal T cell growth in vivo
SCID mouse; $CD4^+$ T cell clone; Adoptive transfer (Rudolphi, A. (158) 27)

Clone
Hybrid; Switch variant; Sib-selection; (Antibody) (Faguet, G.B. (165) 217)

Cloning
Single-chain antibody; Variable region; Antibody fragment; Hybridoma; In vitro expression (Nicholls, P.J. (165) 81)

Clostridial myonecrosis
Immunoassay; Diagnosis; Sialidase (neuraminidase); *Clostridium perfringens*; *Clostridium septicum*; *Clostridium sordellii* (Roggentin, T. (157) 125)

Clostridium perfringens
Clostridial myonecrosis; Immunoassay; Diagnosis; Sialidase (neuraminidase); *Clostridium septicum*; *Clostridium sordellii* (Roggentin, T. (157) 125)

Clostridium septicum
Clostridial myonecrosis; Immunoassay; Diagnosis; Sialidase (neuraminidase); *Clostridium perfringens*; *Clostridium sordellii* (Roggentin, T. (157) 125)

Clostridium sordellii
Clostridial myonecrosis; Immunoassay; Diagnosis; Sialidase (neuraminidase); *Clostridium perfringens*; *Clostridium septicum* (Roggentin, T. (157) 125)

Clustering
Monocyte; Lymphocyte; Carbocyanine (Gant, V.A. (156) 179)

C3 nephritic factor
ELISA; Membranoproliferative glomerulonephritis type II (Seino, J. (159) 221)

Coated membrane
Covalent linkage; Microalbuminuria; Immunoassay (Solomon, B. (157) 209)

Coiled coil
ELISA; Protein A; Competition assay; Protein denaturation; Cytochrome *c* (Ngai, P.K.M. (158) 267)

Collaborative study
IL-6 (Gaines Das, R.E. (160) 147)

Collagen matrix
Lymphocyte migration; Cell tracking; Quantification of cell locomotion; Trajectory; Integrin (Friedl, P. (165) 157)

Colorimetric assay
Cytokine; Interleukin-2; Tetrazolium salt; Cell proliferation and cell viability test (Sladowski, D. (157) 203)

Bactericidal assay; MTT; XTT (Stevens, M.G. (157) 225)

Tetrazolium salt; Lymphokine assay; Cell growth (Buttke, T.M. (157) 233)

Tetrazolium salt; MTT; Platelet stimulation (Vanhée, D. (159) 253)

MTT; Cytotoxicity assay; Proliferation assay (Hussain, R.F. (160) 89)

Chemotaxis; MTT (Shi, Y. (164) 149)

Colorimetric MTT assay
Kupffer cells; Isolation; Cytotoxicity; (Rat) (Heuff, G. (159) 115)

Commercial liposome
Cytotoxic T lymphocyte; Antigen presentation; Electroporation (Chen, W. (160) 49)

Comparison
Egg yolk; IgY; Purification method (Akita, E.M. (160) 207)

Competition assay
ELISA; Protein A; Protein denaturation; Cytochrome *c*; Coiled coil (Ngai, P.K.M. (158) 267)

Competitive inhibition
T cell epitope; Major histocompatibility complex class II-peptide complex; Anti-peptide antibody (Brumeanu, T.D. (160) 65)

Competitive inhibition enzyme immunoassay
Taxol; Taxane; Enzyme immunoassay (Grothaus, P.G. (158) 5)

Complement
Complement activation; Systemic lupus erythematosus (Porcel, J.M. (157) 1)

Human serum; Factor B; β_2 glycoprotein I; Dye-ligand affinity (Williams, S.C. (157) 25)

C4; C4b; C4(H_2O); C4b-binding protein; Chromatography, fast protein liquid (Hessing, M. (157) 39)

Avidin; Biotin; Lysis; Biotinyl-lipid; Membrane modification (Muzykantov, V.R. (158) 183)

C4b/c; ELISA; Classical pathway; Monoclonal antibody (Wolbink, G.J. (163) 67)

Complement receptor type 1; Erythrocyte; Immune complex (Reist, C.J. (163) 199)

Complement activation; Complement deficiency; Complement fixation test; ELISA; Properdin (Fredrikson, G.N. (166) 263)

Complement activation
CH50; Complement component; Classical pathway activation; (In vivo); (In vitro) (Maillet, F. (156) 171)

Complement; Systemic lupus erythematosus (Porcel, J.M. (157) 1)

Complement; Complement deficiency; Complement fixation test; ELISA; Properdin (Fredrikson, G.N. (166) 263)

Complement activity
Anticomplementary activity; Intravenous immunoglobulin (Törmä, E. (164) 101)

Complement component
C3; C4; C5; Chicken antibody; ELISA (Larsson, A. (156) 79)

Complement activation; CH50; Classical pathway activation; (In vivo); (In vitro) (Maillet, F. (156) 171)

Complement deficiency
Complement; Complement activation; Complement fixation test; ELISA; Properdin (Fredrikson, G.N. (166) 263)

Complement fixation test
Complement; Complement activation; Complement deficiency; ELISA; Properdin (Fredrikson, G.N. (166) 263)

Complement receptor type 1
Complement; Erythrocyte; Immune complex (Reist, C.J. (163) 199)

Computer assisted epitope analysis
Ornithine decarboxylase; Solid-phase peptide synthesis; Monoclonal antibody; Active center (Schipper, R.G. (161) 205)

Concentration
Affinity; Mass transfer; (Antibody) (Karlsson, R. (166) 75)

Confocal laser scanning microscopy
Papillomavirus typing; Biotinylated DNA probe; Carcinoma cell line, human; Fluorescent in situ hybridization; Flow cytometry (Lizard, G. (157) 31)

Confocal microscopy
Cell separation; Isopycnic density centrifugation; Iodinated gradient medium; Density perturbation; Antibody-coated density particle; Dynabeads (Patel, D. (163) 241)

Magnetic bead; Cell separation; Surface antigen (Rubbi, C.P. (166) 233)

Conformation
Immunoassay; Monoclonal antibody (Lolov, S. (157) 19)

Conjugate
Keyhole limpet hemocyanin; Amino acid analysis; Heterobifunctional crosslinker; Synthetic peptide; Least square (Shuler, K.R. (156) 137)

Antibody-directed enzyme-prodrug therapy; Antibody-enzyme conjugate; Carboxypeptidase G_2; Monoclonal antibody; Carcinoembryonic antigen (Melton, R.G. (158) 49)

Flow cytometry; Adhesion molecule; Four-color fluorescence (Aubry, J.-P. (159) 161)

Conjugation
Polysaccharide chemistry; Hapten substitution; Labelling; Immunoadsorbent; Chromatography affinity (Ey, P.L. (160) 135)

Monensin hemisuccinate; Mixed anhydride method; Lipid hapten; Monoclonal antibody; MicroELISA (Pauillac, S. (164) 165)

Conjugation method
Hapten-carrier protein conjugate; Electrophoretic method (Kamps-Holtzapple, C. (164) 245)

Conjugation to bovine serum albumin
Antigenic peptide; ELISA (Price, M.R. (159) 277)

Connective tissue deposition
Adhesion; Fibrosis; Growth factor; Macrophage; Peritoneal membrane (Frazier-Jessen, M.R. (162) 115)

Convertase
proIL-1β; ELISA; Macrophage; Lysate (Wewers, M.D. (165) 269)

Corticotrophin releasing factor
Immunoradiometric assay; Peptide antigenicity; Interleukin-1 (Hagan, P. (160) 11)

Covalent
Polystyrene; Hapten; Protein; Polynucleotide; ELISA (Niveleau, A. (159) 177)

Covalent coupling
ELISA; Steroid; CovaLink NH (Yonezawa, S. (166) 55)

Covalent linkage
Coated membrane; Microalbuminuria; Immunoassay (Solomon, B. (157) 209)

CovaLink NH
Covalent coupling; ELISA; Steroid (Yonezawa, S. (166) 55)

C-reactive protein
Binding assay; Phosphorylcholine; Ca^{2+} binding; Affinity capillary electrophoresis (Heegaard, N.H.H. (166) 103)

^{51}Cr-labeling
Hepatocyte, human; Liver-infiltrating lymphocyte (Shimizu, Y. (164) 69)

Crossmatch
Flow cytometric B cell crossmatch; Anti-B cell antibody; Anti-HLA class II antibody (Berteli, A.J. (164) 21)

Cryopreservation
Lymphocyte; Field conditions (Hviid, L. (157) 135)

Natural killer cell; Panning; LAK cell (Voshol, H. (165) 21)

M-CSF
Activated killer macrophage; Mononuclear cell; Culture; Adoptive immunotherapy; GM-CSF; IL-3; IFN-γ, recombinant human (Lopez, M. (159) 29)

CTLL-2
IL-2; Anti-IL-2 receptor antibody; Enzyme kinetics equation; Serum IL-2 inhibitor (Svirshchevskaya, E.V. (159) 17)

Culture
Activated killer macrophage; Mononuclear cell; Adoptive immunotherapy; GM-CSF; IL-3; M-CSF; IFN-γ, recombinant human (Lopez, M. (159) 29)

Culture filtrate
Electroelution; *Mycobacterium tuberculosis*; T cell antigen; SDS-PAGE (Andersen, P. (161) 29)

Culture medium
In vitro; Glutamine; Ammonia; Proliferation (Heeneman, S. (166) 85)

Cyanine membrane dye
Natural killer cell; Flow cytometry; Cytotoxicity assay; 3,3'-Dioctadecyloxacarbocyanine perchlorate (Chang, L. (166) 45)

Cyclosporin A
Lymphokine; T lymphokine; Secretion (Trenn, G. (161) 41)

Cytochrome *c*
ELISA; Protein A; Competition assay; Protein denaturation; Coiled coil (Ngai, P.K.M. (158) 267)

Cytokine
Interleukin-2; Tetrazolium salt; Colorimetric assay; Cell proliferation and cell viability test (Sladowski, D. (157) 203)

Granulocyte-macrophage colony-stimulating factor; Immunocytochemistry; Receptor; Digoxigenin (Roncaroli, F. (158) 191)

Flow cytometry; Monensin; T cell clone; Intracellular immunofluorescence (Jung, T. (159) 197)

T lymphocyte; RNA; Polymerase chain reaction; Gene expression (Melby, P.C. (159) 235)

Adenosine triphosphate bioluminescence; Cell proliferation; Cell cytotoxicity; Bioassay (Crouch, S.P.M. (160) 81)

mRNA; Polymerase chain reaction; Quantitative (Reiner, S.L. (165) 37)

IL-2; Fluorescence activated cell sorter; Iodination; IL-2R (Chianelli, M. (166) 177)

Immunoenzymetric assay; Immunohistochemical assay; Peripheral blood mononuclear cell; Spleen cell (Sander, B. (166) 201)

Local production; In vivo model; (Mouse) (Rollwagen, F.M. (166) 223)

Entamoeba histolytica; Enterocyte; Binding; Fluorescence (Flores-Romo, L. (166) 243)

Cytokine producing cell
ELISPOT; IL-2; IL-4; IL-6 (Fujihashi, K. (160) 181)

Cytokine quantification
Transforming growth factor β; Bioassay (Randall, L.A. (164) 61)

Cytolysis
Cytotoxicity assay; Europium; Natural killer cell activity; Time-resolved fluorometry (Blomberg, K. (160) 27)

Serine protease; Primed lymphocyte; Granule polarization (Wagner, L. (160) 173)

Cytomegalovirus
Neutralization assay; Enzyme immunoassay; Monoclonal antibody, human; Immediate early antigen (Tomiyama, T. (159) 71)

Cytotoxicity
Kupffer cells; Isolation; Colorimetric MTT assay; (Rat) (Heuff, G. (159) 115)

Natural killer cell; Membrane potential; Flow cytometry (Radošević, K. (161) 119)

Neutralizing antibody; Detection; Protection; Immune response; Vaccine efficacy; Shigella toxin; Influenza virus; Chikungunya virus (Van de Water, C. (166) 157)

Cytotoxicity assay
Cytolysis; Europium; Natural killer cell activity; Time-resolved fluorometry (Blomberg, K. (160) 27)

Colorimetric assay; MTT; Proliferation assay (Hussain, R.F. (160) 89)

Natural killer cell; Flow cytometry; Cyanine membrane dye; 3,3′-Dioctadecyloxacarbocyanine perchlorate (Chang, L. (166) 45)

Cytotoxic T cell
Adenovirus induced tumor, human; 1,1′-Dioctadecyl-3,3,3′,3′-tetramethylindocarbocyanine perchlorate; Homing; Spleen; Human papillomavirus-induced tumor; (Mouse) (Toes, R.E.M. (163) 23)

Cytotoxic T lymphocyte
Antigen presentation; Commercial liposome; Electroporation (Chen, W. (160) 49)

Anti-CD40; B cell line; Cytotoxic T lymphocyte epitope; Epstein-Barr virus; Lymphoblastoid cell line; Recombinant vaccinia virus (Khanna, R. (164) 41)

Cytotoxic T lymphocyte epitope
Cytotoxic T lymphocyte; Anti-CD40; B cell line; Epstein-Barr virus; Lymphoblastoid cell line; Recombinant vaccinia virus (Khanna, R. (164) 41)

D

Defensin
Monoclonal antibody; Biotinylation; ELISA (Panyutich, A.V. (158) 237)

Degranulation
Tryptase; Human lung mast cells; Tyrosine kinase (Lavens, S.E. (166) 93)

Delayed hypersensitivity
Tuberculin reaction; Skin blood flow; Dynamic thermography (Abbot, N.C. (162) 97)

Density gradient centrifugation
Hypodense eosinophil; Asthma; Rheumatoid arthritis (Moens, M.M. (156) 271)

Density perturbation
Cell separation; Isopycnic density centrifugation; Iodinated gradient medium; Antibody-coated density particle; Dynabeads; Confocal microscopy (Patel, D. (163) 241)

Detachment
$CD8^+$ T cell, human; Immunomagnetic separation; Cellular immune response; Measles virus; HIV (Geretti, A.M. (161) 129)

Detection
Newcastle disease virus; Streptavidin; Biotin; Filtration; Biosensor; Light addressable potentiometric sensor; Immunoassay (Lee, W.E. (166) 123)

Neutralizing antibody; Cytotoxicity; Protection; Immune response; Vaccine efficacy; Shigella toxin; Influenza virus; Chikungunya virus (Van de Water, C. (166) 157)

Detergent
Enzyme immunoassay; Prostaglandin H synthase; Membrane protein (Ruan, K.-H. (162) 23)

Dextran B512
Oral immunization; α-1,6-Glucan (Tanaka, M. (159) 245)

Diabetes
Apolipoprotein B; Glycation; Monoclonal antibody; Atherosclerosis (Shea, E.A. (162) 85)

Diacetate
Oxidative burst; Fluorescence assay; 2′,7′-Dichlorofluorescin; J774 cell; Mono Mac 6 cell (Wan, C.P. (159) 131)

Diagnosis
Clostridial myonecrosis; Immunoassay; Sialidase (neuraminidase); *Clostridium perfringens*; *Clostridium septicum*; *Clostridium sordellii* (Roggentin, T. (157) 125)

Dialysis bag culture
Monoclonal antibody production; High density hybridoma culture (Falkenberg, F.W. (165) 193)

4,6-Diamidino-2-phenylindole
Monocyte; Macrophage; Fluorometric quantification; DNA (Shapira, L. (165) 93)

Dichlorofluorescein diacetate
Azide; Dihydrorhodamine 123; Flow cytometry; Granulocyte; Reactive oxygen species (Smith, J.A. (162) 261)

2′,7′-Dichlorofluorescin
Oxidative burst; Fluorescence assay; Diacetate; J774 cell; Mono Mac 6 cell (Wan, C.P. (159) 131)

2′,7′-Dichlorofluorescin-diacetate
Automated microplate assay; Respiratory burst; Phagocyte (Rosenkranz, A.R. (156) 39)

Diethylamine
Functional affinity; ELISA procedure; pH effect; Thiocyanate (Goldblatt, D. (166) 281)

Different molecular form
Separation method; Monoclonal antibody, mouse IgA and IgM; Chromatography, high performance liquid; Hydroxyapatite bead (Aoyama, K. (162) 201)

Digital image analysis
Adhesion; Aggregation; Video microscopy (Munn, L.L. (166) 11)

Digitonin
Interleukin-10; Intracellular expression; Flow cytometry; T cell permeabilization (Kreft, B. (156) 125)

Digoxigenin
Granulocyte-macrophage colony-stimulating factor; Immunocytochemistry; Receptor; Cytokine (Roncaroli, F. (158) 191)

Dihydrorhodamine 123
Azide; Dichlorofluorescein diacetate; Flow cytometry; Granulocyte; Reactive oxygen species (Smith, J.A. (162) 261)

3,3′-Dioctadecyloxacarbocyanine perchlorate
Natural killer cell; Flow cytometry; Cytotoxicity assay; Cyanine membrane dye (Chang, L. (166) 45)

1,1′-Dioctadecyl-3,3,3′,3′-tetramethylindocarbocyanine perchlorate
Adenovirus induced tumor, human; Homing; Cytotoxic T cell; Spleen; Human papillomavirus-induced tumor; (Mouse) (Toes, R.E.M. (163) 23)

Diphtheria toxoid
ELISPOT; Tetanus toxoid; Polysaccharide; Affinity; Avidity (Barington, T. (156) 191)

Displacement
Immunoassay; Biosensor (Wemhoff, G.A. (156) 223)

Disseminated intravascular coagulation
Platelet-activating factor; Radioimmunoassay; Liver cirrhosis (Sugatani, J. (166) 251)

DNA
Pyrophosphate; Biotechnology; Dosage; Gene amplification (Tabary, T. (156) 55)

Monocyte; Macrophage; Fluorometric quantification; 4,6-Diamidino-2-phenylindole (Shapira, L. (165) 93)

DNA assay
Hoechst 33258; Microtiter plate; ELISA; Spectrofluorimeter (Papadimitriou, E. (162) 41)

DNA sequencing
Polymerase chain reaction; T cell receptor; Ligation-mediated polymerase chain reaction (Tsuruta, Y. (161) 7)

Dosage
DNA; Pyrophosphate; Biotechnology; Gene amplification (Tabary, T. (156) 55)

Dot analysis
Enzyme immunoassay; IgG; Flow injection analysis; Peroxidase (Gorovits, B.M. (157) 11)

Dot blot
Anti-ganglioside antibody; Polyvinylidene difluoride membrane; Immunodetection (Chabraoui, F. (165) 225)

Major histocompatibility; Transfection; Interferon; ELISA (Gillott, D.J. (165) 231)

Dot blotting
Gamma globulin; C3a complement component (Nezlin, R. (163) 269)

Dot immunobinding assay
Photothermal deflection; ELISA; Carcinoembryonic antigen; IgE (Matsuzawa, S. (161) 59)

Drug potency determination
Inverse regression; Inverse confidence interval; Nonlinear regression; Bioassay (Alvord, W.G. (157) 155)

Dual labelling
Cellular cytotoxic assay; [^{35}S]methionine; [^{75}Se]selenomethionine; Chromium-51; Release kinetic (Heymer, J. (161) 217)

Dual-marker enzyme system
ELISA, combination; HBsAg detection; Anti-HIV antibody detection; Synthetic HIV peptide; HIV; HBs; Hepatitis B (Porstmann, T. (158) 95)

Dye-ligand affinity
Human serum; Complement; Factor B; β_2 glycoprotein I (Williams, S.C. (157) 25)

Dynabeads
Cell separation; Isopycnic density centrifugation; Iodinated gradient medium; Density perturbation; Antibody-coated density particle; Confocal microscopy (Patel, D. (163) 241)

Dynamic thermography
Tuberculin reaction; Delayed hypersensitivity; Skin blood flow (Abbot, N.C. (162) 97)

Dystrophin
Muscular dystrophy; ELISA; Immunoassay; Monoclonal antibody, muscle (Morris, G.E. (161) 23)

E

EA-rosette inhibition
Flow-cytometry; FcγR-blocking factors; Allograft survival (Sandilands, G.P. (158) 257)

***E. coli* antigen**
Immunization; Immune suppression; Antigenic competition; Heterologous antiserum; Immunoblotting (Hammerl, P. (160) 155)

Egg yolk
Comparison; IgY; Purification method (Akita, E.M. (160) 207)

ELAM-1
GMP140; CD62; PADGEM; Adhesion; Immunoglobulin fusion; E-Selectin; P-Selectin (Dietsch, M.T. (162) 123)

Elastase
Pseudomonas aeruginosa; ELISA (Jaffar-Bandjee, M.-C. (164) 27)

Elastase-α_2-macroglobulin complex
α_2-Macroglobulin; ELISA (Adeyemi, E.O. (164) 189)

Elastin degradation
Elastin peptide; ELISA; Serum, human (Wei, S.M. (164) 175)

Elastin peptide
Elastin degradation; ELISA; Serum, human (Wei, S.M. (164) 175)

Electroelution
Mycobacterium tuberculosis; T cell antigen; SDS-PAGE; Culture filtrate (Andersen, P. (161) 29)

Electrophoretic method
Hapten-carrier protein conjugate; Conjugation method (Kamps-Holtzapple, C. (164) 245)

Electroporation
Cytotoxic T lymphocyte; Antigen presentation; Commercial liposome (Chen, W. (160) 49)

ELISA
Leukemia inhibitory factor; Monoclonal antibody (Kim, K.J. (156) 9)

Interleukin-8; Sepsis (Ida, N. (156) 27)

Complement component; C3; C4; C5; Chicken antibody (Larsson, A. (156) 79)

Glutathione-*S*-transferase; Fusion protein capture (Rabin, D.U. (156) 101)

L-Selectin; Shedding; Receptor; Leukocyte (Spertini, O. (156) 115)

Multiple antigen peptide; Anti-peptide antibody; Anti-protein antibody; Synthetic vaccine (Briand, J.-P. (156) 255)

Transforming growth factor β_1; Anti-transforming growth factor β_1 antibody; Retinoic acid; Fibrosarcoma cell, human; Submaxillary gland; (Spleen) (Danielpour, D. (158) 17)

Monoclonal antibody, anti-peptide; Supernatant screening; Anti-immunoglobulin antibody; False positive results (Smith, S.C. (158) 151)

Defensin; Monoclonal antibody; Biotinylation (Panyutich, A.V. (158) 237)

Protein A; Competition assay; Protein denaturation; Cytochrome *c*; Coiled coil (Ngai, P.K.M. (158) 267)

Type II collagen; Osteoarthritis; Monoclonal antibody; Articular cartilage (Srinivas, G.R. (159) 53)

Covalent; Polystyrene; Hapten; Protein; Polynucleotide (Niveleau, A. (159) 177)

C3 nephritic factor; Membranoproliferative glomerulonephritis type II (Seino, J. (159) 221)

Antigenic peptide; Conjugation to bovine serum albumin (Price, M.R. (159) 277)

K88 expression; *Escherichia coli*; Medium (Payne, D. (159) 283)

Anti-dsDNA antibody; Specificity (Rupin, A. (160) 245)

Exoglycosidase; Blood group antigen (Hobbs, L. (160) 261)

Dystrophin; Muscular dystrophy; Immunoassay; Monoclonal antibody, muscle (Morris, G.E. (161) 23)

Dot immunobinding assay; Photothermal deflection; Carcinoembryonic antigen; IgE (Matsuzawa, S. (161) 59)

HIV-1 protease; Pepstatin A (Mansfeld, H.-W. (161) 151)

IL-1β; Immunoassay (Newton, R.C. (161) 257)

Hemopexin; Blotting (Hrkal, Z. (161) 265)

Hoechst 33258; DNA assay; Microtiter plate; Spectrofluorimeter (Papadimitriou, E. (162) 41)

α_2 Macroglobulin; Epitope mapping; Monoclonal antibody; Blood protein (Birkenmeier, G. (162) 59)

Immunopurification; Monospecific antibody; Peptide; *Plasmodium falciparum* (Brahimi, K. (162) 69)

Monoclonal antibody; IgG subclass; IgM; Immunoglobulin purification; Purified Ig standards (Mushens, R.E. (162) 77)

Urokinase-type plasminogen activator (EC 3.4.21.31); Tissue-type plasminogen activator (EC 3.4.21.–); (Human) (Buessecker, F. (162) 193)

Glycophorin; Sialoglycoprotein; Immunoassay; Erythrocyte membrane (Herráez, A. (162) 225)

Complement; C4b/c; Classical pathway; Monoclonal antibody (Wolbink, G.J. (163) 67)

Lipid A; Lipopolysaccharide (David, S.A. (163) 85)

C5b-9; Terminal complement complex; Anti-neoantigen antibody (Accardo-Palumbo, A. (163) 169)

Pneumococcal antibody; *C*-Polysaccharide antibody inhibition; IgG; (Subclass) (Konradsen, H.B. (164) 13)

Elastase; *Pseudomonas aeruginosa* (Jaffar-Bandjee, M.-C. (164) 27)

Affinity; Avidity; Monoclonal antibody; (Antibody) (Underwood, P.A. (164) 119)

Elastin peptide; Elastin degradation; Serum, human (Wei, S.M. (164) 175)

α_2-Macroglobulin; Elastase-α_2-macroglobulin complex (Adeyemi, E.O. (164) 189)

Silica; Glycolipid; Sulfolipid; Ganglioside; Casein; Chondroitin sulfate (Frey II, W.H. (164) 275)

Inhibin; Activin; Synthetic peptide; Monoclonal antibody (Groome, N. (165) 167)

Dot blot; Major histocompatibility; Transfection; Interferon (Gillott, D.J. (165) 231)

Autoimmune disease; Systemic sclerosis; Topoisomerase I; Scl-70; Recombinant antigen (Seelig, H.P. (165) 241)

proIL-1β; Convertase; Macrophage; Lysate (Wewers, M.D. (165) 269)

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Covalent coupling; Steroid; CovaLink NH (Yonezawa, S. (166) 55)

B lymphocyte; Membrane IgD; Membrane IgM; Flow cytometry (Zhang, M. (166) 215)

Complement; Complement activation; Complement deficiency; Complement fixation test; Properdin (Fredrikson, G.N. (166) 263)

ELISA, combination
HBsAg detection; Anti-HIV antibody detection; Dual-marker enzyme system; Synthetic HIV peptide; HIV; HBs; Hepatitis B (Porstmann, T. (158) 95)

ELISA, competitive
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Gastrointestinal tract; Immunofluorescence-digital image processing system; ILISPOT; IgA producing, spot-forming cell (Amano, M. (164) 79)

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Emulsion
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Endothelium
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Entamoeba histolytica
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Enterocyte
Entamoeba histolytica; Binding; Cytokine; Fluorescence (Flores-Romo, L. (166) 243)

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Antigen binding fragment; IgY; Purification (Akita, E.M. (162) 155)

Enzyme immunoassay
Bispecific antibody; IgA/IgM hybrid; Human chorionic gonadotropin (Behrsing, O. (156) 69)

Dot analysis; IgG; Flow injection analysis; Peroxidase (Gorovits, B.M. (157) 11)

Growth hormone; (Cattle) (Hennies, M. (157) 149)

Taxol; Taxane; Competitive inhibition enzyme immunoassay (Grothaus, P.G. (158) 5)

Anti-polysaccharide antibody; Chemical modification; Binding site mapping; Idiotope (Gudmundsson, B.-M.E. (158) 215)

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Endothelin; Monoclonal antibody; Acetylcholinesterase; Human umbilical vein endothelial cell (Créminon, C. (162) 179)

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IL-2; Anti-IL-2 receptor antibody; CTLL-2; Serum IL-2 inhibitor (Svirshchevskaya, E.V. (159) 17)

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Eosinophil peroxidase; Animal model; Asthma (Tagari, P. (163) 49)

N-Formyl-methionyl-leucyl-phenylalanine; Percoll gradient; Magnetic cell sorter (Laviolette, M. (165) 253)

Eosinophil cationic protein; Eosinophil protein X; Eosinophil derived neurotoxin; Release; Methodology (Reimert, C.M. (166) 183)

Eosinophil cationic protein
Eosinophil; Eosinophil protein X; Eosinophil derived neurotoxin; Release; Methodology (Reimert, C.M. (166) 183)

Eosinophil derived neurotoxin
Eosinophil; Eosinophil cationic protein; Eosinophil protein X; Release; Methodology (Reimert, C.M. (166) 183)

Eosinophil peroxidase
Eosinophil; Animal model; Asthma (Tagari, P. (163) 49)

Eosinophil protein X
Eosinophil; Eosinophil cationic protein; Eosinophil derived neurotoxin; Release; Methodology (Reimert, C.M. (166) 183)

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Simultaneous multiple peptide synthesis; PEPSCAN; Paper disc; *Fel d* I (Van 't Hof, W. (161) 177)

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Erythrocyte
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HIV-1 seropositivity; Autologous agglutination test; Kinetic analysis; Monoclonal antibody, anti-glycophorin (Catimel, B. (165) 183)

Erythrocyte-bound IL-8
IL-8; IL-1α; Immunotherapy (Tilg, H. (163) 253)

Erythrocyte membrane
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Europium
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Protein G; Time-resolved fluorometry; Fluoroimmunoassay; Tetanus antibody (Markela, E. (161) 1)

Class II major histocompatibility complex; Peptide binding; Antigen processing (Tompkins, S.M. (163) 209)

Europium labeling
Time-resolved fluorescence; Natural killer cell activity (Pacifici, R. (161) 135)

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F

F(ab')$_2$
IgG; Pepsin; Fragment; Fab/c; (Antibody) (Rea, D.W. (157) 165)

Fab
Protein L; Immunoglobulin; Fv; Chromatography, affinity; (Humanized) (Nilson, B.H.K. (164) 33)

Fab/c
IgG; Pepsin; Fragment; F(ab')$_2$; (Antibody) (Rea, D.W. (157) 165)

FACScan
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

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Human serum; Complement; β_2 glycoprotein I; Dye-ligand affinity (Williams, S.C. (157) 25)

False negative rate
Qualitative assay; False positive rate (Bishop, J. (166) 191)

False positive rate
Qualitative assay; False negative rate (Bishop, J. (166) 191)

False positive results
Monoclonal antibody, anti-peptide; ELISA; Supernatant screening; Anti-immunoglobulin antibody (Smith, S.C. (158) 151)

FcγR
Monocyte; Phagocytosis; Oxidative burst; Flow cytometry (Casado, J.A. (159) 173)

FcγR-blocking factors
EA-rosette inhibition; Flow-cytometry; Allograft survival (Sandilands, G.P. (158) 257)

FcγRIIA, secreted soluble
ELISA; CD32, soluble; Human serum (Astier, A. (166) 1)

Fc receptor
Flow cytometric assay; C3b receptor; C3bi receptor; Herpes simplex virus type 1 (Van Vliet, K.E. (157) 57)

Phycoerythrin; Flow cytometry; (Mouse) (Takizawa, F. (162) 269)

Fel d 1
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Fel d 1
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Fetal calf serum
Monoclonal antibody; Purification; IgG, bovine (Darby, C.R. (159) 125)

Polymer β-cyclodextrin; Murine splenocyte; Plaque-forming cell response (Yamamoto, I. (159) 153)

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Atrazine determination; Weak competitor; Monoclonal antibody (Jockers, R. (163) 161)

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Fibrosarcoma cell, human
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Fibrosis
Adhesion; Connective tissue deposition; Growth factor; Macrophage; Peritoneal membrane (Frazier-Jessen, M.R. (162) 115)

Field conditions
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Filtration
Newcastle disease virus; Streptavidin; Biotin; Detection; Biosensor; Light addressable potentiometric sensor; Immunoassay (Lee, W.E. (166) 123)

Flavivirus
Antibody-forming cell assay; Japanese encephalitis virus; Avidin-biotin; B cell (García-García, J. (157) 259)

Flow cytometric analysis
Epithelial cell; Small intestinal biopsy; Major histocompatibility complex-class II molecule (Madrigal, L. (158) 207)

Flow cytometric assay
Fc receptor; C3b receptor; C3bi receptor; Herpes simplex virus type 1 (Van Vliet, K.E. (157) 57)

Flow cytometric B cell crossmatch
Crossmatch; Anti-B cell antibody; Anti-HLA class II antibody (Berteli, A.J. (164) 21)

Flow cytometry
Intraepithelial lymphocyte; Intestine T cell; T cell receptor (Mosley, R.L. (156) 19)

T lymphocyte; Cell cloning; Cell culture (Stemme, S. (156) 107)

Interleukin-10; Intracellular expression; Digitonin; T cell permeabilization (Kreft, B. (156) 125)

AIDS; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Papillomavirus typing; Biotinylated DNA probe; Carcinoma cell line, human; Fluorescent in situ hybridization; Confocal laser scanning microscopy (Lizard, G. (157) 31)

EA-rosette inhibition; FcγR-blocking factors; Allograft survival (Sandilands, G.P. (158) 257)

Conjugate; Adhesion molecule; Four-color fluorescence (Aubry, J.-P. (159) 161)

Monocyte; Phagocytosis; Oxidative burst; FcγR (Casado, J.A. (159) 173)

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HIV; HIV inactivation; Formaldehyde; Red blood cell lysis (Nicholson, J.K.A. (160) 215)

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Azide; Dichlorofluorescein diacetate; Dihydrorhodamine 123; Granulocyte; Reactive oxygen species (Smith, J.A. (162) 261)

Phycoerythrin; Fc receptor; (Mouse) (Takizawa, F. (162) 269)

Ammonium chloride lysis; IL-2 receptor; Monoclonal antibody (Webster, G.A. (163) 115)

Inflammation; Adhesion molecule; Immune complex receptor (McCarthy, D.A. (163) 155)

Three-color staining; Lymphocyte subpopulation; CD45RO/RA (Gruber, R. (163) 173)

CD11b; Neutrophil; Monocyte; Integrin (Repo, H. (164) 193)

Lymphocyte subsets; Technical influence; Propidium iodide; Viability (Ekong, T. (164) 263)

Anticoagulant; HIV infection; Immunophenotyping (Nicholson, J.K.A. (165) 31)

Natural killer cell; Cytotoxicity assay; Cyanine membrane dye; 3,3′-Dioctadecyloxacarbocyanine perchlorate (Chang, L. (166) 45)

B lymphocyte; Membrane IgD; Membrane IgM; ELISA (Zhang, M. (166) 215)

Flow cytometry: Monoclonal antibody
Basophil; Surface phenotyping (Takahashi, K. (162) 17)

Flow injection analysis
Enzyme immunoassay; Dot analysis; IgG; Peroxidase (Gorovits, B.M. (157) 11)

Fluo-3
Quantitative fluorescence microscopy; Natural killer cell; K562 cell; Seminaphthorhodafluor 1; Patch clamp (Van Graft, M. (159) 145)

Fluorescein
Phagocytosis; Fluorescence assay; J774 cell; Microplate fluorometer (Wan, C.P. (162) 1)

Fluorescein diacetate
Thymic epithelial cell; Adhesion; Thymocyte (Maeda, Y. (157) 117)

Fluorescence
Cell adherence; Endothelial cell; Calcein AM (Akeson, A.L. (163) 181)

Entamoeba histolytica; Enterocyte; Binding; Cytokine (Flores-Romo, L. (166) 243)

Fluorescence activated cell sorter
IL-2; Cytokine; Iodination; IL-2R (Chianelli, M. (166) 177)

Fluorescence-activated cell sorting
Bispecific monoclonal antibody; HAT medium selection; Hybrid hybridoma; Carcinoembryonic antigen; Horseradish peroxidase (Jantscheff, P. (163) 91)

Fluorescence assay
Oxidative burst; 2′,7′-Dichlorofluorescin; Diacetate; J774 cell; Mono Mac 6 cell (Wan, C.P. (159) 131)

Phagocytosis; Fluorescein; J774 cell; Microplate fluorometer (Wan, C.P. (162) 1)

Fluorescence polarization
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Specific antibody; Spacer arm; Selective conjugation; Tricyclic antidepressant; Major depressive disorder (Adamczyk, M. (163) 187)

Fluorescent
Adhesion; Neutrophil; Endothelium (Vaporciyan, A.A. (159) 93)

Fluorescent dye
In vivo labelling; Laser flow cytometry; B lymphocyte; Insulin specific antibody; (Spleen) (Khalaf, A.-N. (165) 121)

Fluorescent in situ hybridization
Papillomavirus typing; Biotinylated DNA probe; Carcinoma cell line, human; Confocal laser scanning microscopy; Flow cytometry (Lizard, G. (157) 31)

Fluorescent tracer
Affinity; Single reagent (Colbert, D.L. (161) 269)

Fluoroimmunoassay
Protein G; Europium; Time-resolved fluorometry; Tetanus antibody (Markela, E. (161) 1)

Fluorometric cytotoxicity assay
Lymphokine activated killer cell (Krüger-Krasagakes, S. (156) 1)

Fluorometric quantification
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Follicular dendritic cell
Magnetic cell sorter (Schmitz, J. (159) 189)

Formaldehyde
Flow cytometry; HIV; HIV inactivation; Red blood cell lysis (Nicholson, J.K.A. (160) 215)

Formalin-fixed tissue
HLA class II antigen; Monoclonal antibody; Immunohistochemistry (Temponi, M. (161) 239)

***N*-Formyl-methionyl-leucyl-phenylalanine**
Eosinophil; Percoll gradient; Magnetic cell sorter (Laviolette, M. (165) 253)

Four-color fluorescence
Flow cytometry; Conjugate; Adhesion molecule (Aubry, J.-P. (159) 161)

Fourier analysis
Cell motility; Cell shape; Lymphocyte; T cell lymphoma (Verschueren, H. (163) 99)

Fragment
IgG; Pepsin; $F(ab')_2$; Fab/c; (Antibody) (Rea, D.W. (157) 165)

Freund's adjuvant
Immunization; Antibody production; Emulsion; (Antigen) (Moncada, C. (162) 133)

Fucosylated glycoconjugate
H antigen; Monoclonal antibody, anti-H; Blood group typing; Carbohydrate specificity (Nakajima, T. (159) 261)

Functional affinity
ELISA procedure; pH effect; Thiocyanate; Diethylamine (Goldblatt, D. (166) 281)

Fusion-cloning
Hybridoma; African horse sickness virus (Stäuber, N. (161) 157)

Fusion protein capture
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Fv
Protein L; Immunoglobulin; Fab; Chromatography, affinity; (Humanized) (Nilson, B.H.K. (164) 33)

G

β-Galactosidase
Natural killer cell; Lymphokine-activated killer cell; K562 cell (Ohmori, H. (164) 131)

Gamma globulin
C3a complement component; Dot blotting (Nezlin, R. (163) 269)

Ganglioside
ELISA; Silica; Glycolipid; Sulfolipid; Casein; Chondroitin sulfate (Frey II, W.H. (164) 275)

Gastrointestinal tract
ELISPOT; Immunofluorescence-digital image processing system; ILISPOT; IgA producing, spot-forming cell (Amano, M. (164) 79)

Gene amplification
DNA; Pyrophosphate; Biotechnology; Dosage (Tabary, T. (156) 55)

Gene expression
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Gene therapy
Melanoma; Tumor necrosis factor α; IL-2; Immunotherapy (Yannelli, J.R. (161) 77)

Gentamicin
Macrophage; Phagocytosis assay; *Escherichia coli*; *Yersinia enterocolitica* (Tabrizi, S.N. (158) 201)

α-1,6-Glucan
Oral immunization; Dextran B512 (Tanaka, M. (159) 245)

Glutamine
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Glutathione-*S*-transferase
ELISA; Fusion protein capture (Rabin, D.U. (156) 101)

Glycation
Apolipoprotein B; Monoclonal antibody; Atherosclerosis; Diabetes (Shea, E.A. (162) 85)

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ELISA; Silica; Sulfolipid; Ganglioside; Casein; Chondroitin sulfate (Frey II, W.H. (164) 275)

Glycophorin
Immunoblotting; Band 3; Variant forms; Monoclonal antibody (Wasniowska, K. (160) 253)

Sialoglycoprotein; Immunoassay; ELISA; Erythrocyte membrane (Herráez, A. (162) 225)

Glycoprotein
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β_2 Glycoprotein I
Human serum; Complement; Factor B; Dye-ligand affinity (Williams, S.C. (157) 25)

Glycosylation
Immunoglobulin G purification; Rheumatoid arthritis (Bond, A. (166) 27)

GM-CSF
Activated killer macrophage; Mononuclear cell; Culture; Adoptive immunotherapy; IL-3; M-CSF; IFN-γ, recombinant human (Lopez, M. (159) 29)

GMP140
ELAM-1; CD62; PADGEM; Adhesion; Immunoglobulin fusion; E-Selectin; P-Selectin (Dietsch, M.T. (162) 123)

gp130
IL-6; IL-6 receptor; IL-6 signal transducer; (Antibody) (Saito, T. (163) 217)

Granule polarization
Serine protease; Primed lymphocyte; Cytolysis (Wagner, L. (160) 173)

Granulocyte
Azide; Dichlorofluorescein diacetate; Dihydrorhodamine 123; Flow cytometry; Reactive oxygen species (Smith, J.A. (162) 261)

Granulocyte-macrophage colony-stimulating factor
Immunocytochemistry; Receptor; Cytokine; Digoxigenin (Roncaroli, F. (158) 191)

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Granzyme B; Monoclonal antibody; Immunohistochemical staining (Kummer, J.A. (163) 77)

Granzyme B
Granzyme A; Monoclonal antibody; Immunohistochemical staining (Kummer, J.A. (163) 77)

Growth factor
Adhesion; Connective tissue deposition; Fibrosis; Macrophage; Peritoneal membrane (Frazier-Jessen, M.R. (162) 115)

Growth hormone
Enzyme immunoassay; (Cattle) (Hennies, M. (157) 149)

Growth hormone deficiency
Anti-pituitary autoantibody; Immunoblotting; Empty sella syndrome (Crock, P. (162) 31)

Growth inhibition
Candida albicans; Lymphocyte (Beno, D.W.A. (164) 155)

H

H antigen
Monoclonal antibody, anti-H; Blood group typing; Carbohydrate specificity; Fucosylated glycoconjugate (Nakajima, T. (159) 261)

Hapten
Covalent; Polystyrene; Protein; Polynucleotide; ELISA (Niveleau, A. (159) 177)

Hapten-carrier protein conjugate
Conjugation method; Electrophoretic method (Kamps-Holtzapple, C. (164) 245)

Hapten substitution
Polysaccharide chemistry; Labelling; Conjugation; Immunoadsorbent; Chromatography affinity (Ey, P.L. (160) 135)

HAT medium selection
Bispecific monoclonal antibody; Fluorescence-activated cell sorting; Hybrid hybridoma; Carcinoembryonic antigen; Horseradish peroxidase (Jantscheff, P. (163) 91)

HBs
ELISA, combination; HBsAg detection; Anti-HIV antibody detection; Dual-marker enzyme system; Synthetic HIV peptide; HIV; Hepatitis B (Porstmann, T. (158) 95)

HBsAg
Anti-idiotypic antibody; Agglutination; Monoclonal antibody, human (Cocchi, J.M. (160) 1)

HBsAg detection
ELISA, combination; Anti-HIV antibody detection; Dual-marker enzyme system; Synthetic HIV peptide; HIV; HBs; Hepatitis B (Porstmann, T. (158) 95)

HBsAg level
Hepatitis B virus; Latex agglutination; Integrating sphere turbidimetric assay (Yamashiki, M. (158) 251)

Heat-shock protein
Immunoassay; Idiotype/anti-idiotype; *Chlamydia trachomatis* (Laferrière, C. (163) 123)

pH effect
Functional affinity; ELISA procedure; Thiocyanate; Diethylamine (Goldblatt, D. (166) 281)

Hemopexin
Blotting; ELISA (Hrkal, Z. (161) 265)

Hepatitis B
ELISA, combination; HBsAg detection; Anti-HIV antibody detection; Dual-marker enzyme system; Synthetic HIV peptide; HIV; HBs (Porstmann, T. (158) 95)

Hepatitis B e antigen
Monoclonal antibody; Affinity adsorption; SDS-PAGE; Hepatitis B surface antigen (Takahashi, K. (157) 217)

Hepatitis B surface antigen
Monoclonal antibody; Affinity adsorption; SDS-PAGE; Hepatitis B e antigen (Takahashi, K. (157) 217)

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Hybridoma, human; Monoclonal antibody, human; Hepatitis B virus core antigen; Heterohybridoma (Zanella, I. (156) 205)

HBsAg level; Latex agglutination; Integrating sphere turbidimetric assay (Yamashiki, M. (158) 251)

Hepatitis B virus core antigen
Hybridoma, human; Monoclonal antibody, human; Hepatitis B virus; Heterohybridoma (Zanella, I. (156) 205)

Hepatitis C virus
Enzyme immunoassay; Immunoblot; RIBA-II; Recombinant immunoblot assay, second generation; Polymerase chain reaction (Craske, J. (160) 227)

Hepatocyte, human
^{51}Cr-labeling; Liver-infiltrating lymphocyte (Shimizu, Y. (164) 69)

Herpes simplex virus type 1
Flow cytometric assay; Fc receptor; C3b receptor; C3bi receptor (Van Vliet, K.E. (157) 57)

Heterobifunctional crosslinker
Keyhole limpet hemocyanin; Amino acid analysis; Synthetic peptide; Conjugate; Least square (Shuler, K.R. (156) 137)

Heterohybridoma
Hybridoma, human; Monoclonal antibody, human; Hepatitis B virus; Hepatitis B virus core antigen (Zanella, I. (156) 205)

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High background
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High density hybridoma culture
Monoclonal antibody production; Dialysis bag culture (Falkenberg, F.W. (165) 193)

Histamine release
Basophil, human; Negative selection; Immunomagnetic bead (Bjerke, T. (157) 49)

HIV-1
Perinatal infection; In vitro culture; (Antibody) (Indraccolo, S. (157) 105)

ELISA, combination; HBsAg detection; Anti-HIV antibody detection; Dual-marker enzyme system; Synthetic HIV peptide; HBs; Hepatitis B (Porstmann, T. (158) 95)

In situ; Polymerase chain reaction; Pathogenesis; Latency; Tumor load; Viral load (Bagasra, O. (158) 131)

Flow cytometry; HIV inactivation; Formaldehyde; Red blood cell lysis (Nicholson, J.K.A. (160) 215)

$CD8^+$ T cell, human; Immunomagnetic separation; Detachment; Cellular immune response; Measles virus (Geretti, A.M. (161) 129)

HIV-1 gp160
Latex microsphere; Antigen-coated particle; Cell-mediated immunity; Lymphocyte proliferation (Wu, J.-Y. (159) 39)

HIV inactivation
Flow cytometry; HIV; Formaldehyde; Red blood cell lysis (Nicholson, J.K.A. (160) 215)

HIV infection
CD8 T cell; Immune response to virus (Hausner, M.A. (157) 181)

Anticoagulant; Flow cytometry; Immunophenotyping (Nicholson, J.K.A. (165) 31)

HIV-1 protease
ELISA; Pepstatin A (Mansfeld, H.-W. (161) 151)

HIV-1 reverse transcriptase
Immunodetection of recombinant proteins; Metal binding peptide; Immobilized metal affinity chromatography; Renin cleavage (Evans, D.B. (156) 231)

HIV-1 seropositivity
Autologous agglutination test; Kinetic analysis; Monoclonal antibody, anti-glycophorin; Erythrocyte (Catimel, B. (165) 183)

HLA class II antigen
Formalin-fixed tissue; Monoclonal antibody; Immunohistochemistry (Temponi, M. (161) 239)

Hoechst 33258
DNA assay; Microtiter plate; ELISA; Spectrofluorimeter (Papadimitriou, E. (162) 41)

Hollow-fiber bioreactor
Monoclonal antibody, bi-specific (Gorter, A. (161) 145)

Homing
Adenovirus induced tumor, human; 1,1′-Dioctadecyl-3,3,3′,3′-tetramethylindocarbocyanine perchlorate; Cytotoxic T cell; Spleen; Human papillomavirus-induced tumor; (Mouse) (Toes, R.E.M. (163) 23)

Horseradish peroxidase
Bispecific monoclonal antibody; Fluorescence-activated cell sorting; HAT medium selection; Hybrid hybridoma; Carcinoembryonic antigen (Jantscheff, P. (163) 91)

Human antibody level
Iodine label; Immunoassay; Sandell-Kolthoff reaction (O'Kennedy, R. (163) 225)

Human chorionic gonadotropin
Bispecific antibody; IgA/IgM hybrid; Enzyme immunoassay (Behrsing, O. (156) 69)

Human growth hormone
Recombinant; Radioimmunoassay; Radioiodination; Reference preparation (Ribela, M.T.C.P. (159) 269)

Human lung mast cells
Tryptase; Degranulation; Tyrosine kinase (Lavens, S.E. (166) 93)

Human papillomavirus-induced tumor
Adenovirus induced tumor, human; 1,1′-Dioctadecyl-3,3,3′,3′-tetramethylindocarbocyanine perchlorate; Homing; Cytotoxic T cell; Spleen; (Mouse) (Toes, R.E.M. (163) 23)

Human peripheral blood mononuclear cell
Interleukin-4; Tetanus toxoid; Purified protein derivate of tuberculin; Phorbol myristate acetate; Ionomycin (Kurtzhals, J.A.L. (156) 239)

Human platelet antigen
Immunoassay; Immunomagnetic bead; Membrane glycoprotein (Löliger, C. (158) 197)

Human serum
Complement; Factor B; β_2 glycoprotein I; Dye-ligand affinity (Williams, S.C. (157) 25)

ELISA; FcγRIIA, secreted soluble; CD32, soluble (Astier, A. (166) 1)

Human serum albumin
Immunoblotting; Blocking agent; High background (Craig, W.Y. (158) 67)

Human umbilical vein endothelial cell
Endothelin; Enzyme immunoassay; Monoclonal antibody; Acetylcholinesterase (Créminon, C. (162) 179)

Hybrid
Switch variant; Clone; Sib-selection; (Antibody) (Faguet, G.B. (165) 217)

Hybrid endothelial cell
Leukocyte; Adherence (Brown, K.A. (163) 13)

Hybrid hybridoma
Bispecific monoclonal antibody; Fluorescence-activated cell sorting; HAT medium selection; Carcinoembryonic antigen; Horseradish peroxidase (Jantscheff, P. (163) 91)

Hybridization
Mycoplasma; Cell line; Polymerase chain reaction (Hopert, A. (164) 91)

Hybridoma
Monoclonal antibody, human; Peripheral B lymphocyte; CD40 system (Darveau, A. (159) 139)

Fusion-cloning; African horse sickness virus (Stäuber, N. (161) 157)

Single-chain antibody; Variable region; Antibody fragment; Cloning; In vitro expression (Nicholls, P.J. (165) 81)

Hybridoma, human
Monoclonal antibody, human; Hepatitis B virus; Hepatitis B virus core antigen; Heterohybridoma (Zanella, I. (156) 205)

Hydroxyapatite bead
Separation method; Different molecular form; Monoclonal antibody, mouse IgA and IgM; Chromatography, high performance liquid (Aoyama, K. (162) 201)

Hypodense eosinophil
Density gradient centrifugation; Asthma; Rheumatoid arthritis (Moens, M.M. (156) 271)

I

Idiotope
Anti-polysaccharide antibody; Chemical modification; Enzyme immunoassay; Binding site mapping (Gudmundsson, B.-M.E. (158) 215)

Idiotype / anti-idiotype
Immunoassay; Heat-shock protein; *Chlamydia trachomatis* (Laferrière, C. (163) 123)

Idiotypy
Lysozyme; Immunotherapy; Transgenic mouse (Grivel, J.-C. (158) 173)

IFN-γ
Whole blood; Tumor necrosis factor α; IL-6 (De Groote, D. (163) 259)

IFN-γ assay
IFN-γ, human; ELISA, competitive (Wilson, A.B. (162) 247)

IFN-γ, human
IFN-γ assay; ELISA, competitive (Wilson, A.B. (162) 247)

IFN-γ, recombinant human
Activated killer macrophage; Mononuclear cell; Culture; Adoptive immunotherapy; GM-CSF; IL-3; M-CSF (Lopez, M. (159) 29)

IgA1
Agaricus bisporus lectin; T disaccharide; IgA2; IgD (Irazoqui, F.J. (156) 199)

IgA2
Agaricus bisporus lectin; T disaccharide; IgA1; IgD (Irazoqui, F.J. (156) 199)

IgA deficiency; Enzyme immunoassay (Hirvonen, M. (163) 59)

IgA deficiency
IgA; Enzyme immunoassay (Hirvonen, M. (163) 59)

IgA / IgM hybrid
Bispecific antibody; Enzyme immunoassay; Human chorionic gonadotropin (Behrsing, O. (156) 69)

IgA producing, spot-forming cell
ELISPOT; Gastrointestinal tract; Immunofluorescence-digital image processing system; ILISPOT (Amano, M. (164) 79)

IgD
Agaricus bisporus lectin; T disaccharide; IgA1; IgA2 (Irazoqui, F.J. (156) 199)

IgE
Basophil; Membrane; Phosphoinositide; Phosphoenolpyruvate; α-Toxin (Kuhn, D.E. (157) 81)

Dot immunobinding assay; Photothermal deflection; ELISA; Carcinoembryonic antigen (Matsuzawa, S. (161) 59)

Basophil; (Mouse) (Kawabata, T.T. (162) 9)

IgG
Enzyme immunoassay; Dot analysis; Flow injection analysis; Peroxidase (Gorovits, B.M. (157) 11)

Pepsin; Fragment; $F(ab')_2$; Fab/c; (Antibody) (Rea, D.W. (157) 165)

ELISA; Pneumococcal antibody; *C*-Polysaccharide antibody inhibition; (Subclass) (Konradsen, H.B. (164) 13)

IgG4
Allergen; Blocking antibody; IgG subclass; IgG isotype; Monoclonal antibody (Lambin, P. (165) 99)

IgG, bovine
Monoclonal antibody; Purification; Fetal calf serum (Darby, C.R. (159) 125)

IgG fraction
Chromatography, fast protein liquid; Chromatography; Monoclonal antibody (Mazza, G. (161) 193)

IgG isotype
Allergen; Blocking antibody; IgG4; IgG subclass; Monoclonal antibody (Lambin, P. (165) 99)

IgG subclass
ELISA; Monoclonal antibody; IgM; Immunoglobulin purification; Purified Ig standards (Mushens, R.E. (162) 77)

Allergen; Blocking antibody; IgG4; IgG isotype; Monoclonal antibody (Lambin, P. (165) 99)

IgM
Paraprotein; Immunoglobulin; Polyethylene glycol; Purification (Tatum, A.H. (158) 1)

ELISA; Monoclonal antibody; IgG subclass; Immunoglobulin purification; Purified Ig standards (Mushens, R.E. (162) 77)

IgM-bearing cell
Octadecyl silica; Cell separation (Seeger, M. (162) 109)

IgY
Comparison; Egg yolk; Purification method (Akita, E.M. (160) 207)

Antigen binding fragment; Enzymatic digestion; Purification (Akita, E.M. (162) 155)

IL-1
Corticotrophin releasing factor; Immunoradiometric assay; Peptide antigenicity (Hagan, P. (160) 11)

Schistosoma mansoni; T helper; Reverse transcription; Polymerase chain reaction, semi-quantitative (Murphy, E. (162) 211)

IL-1α
IL-8; Erythrocyte-bound IL-8; Immunotherapy (Tilg, H. (163) 253)

IL-1β
ELISA; Immunoassay (Newton, R.C. (161) 257)

Kupffer cell; mRNA; Tumor necrosis factor; (Liver) (Janousek, J. (164) 109)

IL-2
Cytokine; Tetrazolium salt; Colorimetric assay; Cell proliferation and cell viability test (Sladowski, D. (157) 203)

Anti-IL-2 receptor antibody; CTLL-2; Enzyme kinetics equation; Serum IL-2 inhibitor (Svirshchevskaya, E.V. (159) 17)

Cytokine producing cell; ELISPOT; IL-4; IL-6 (Fujihashi, K. (160) 181)

Melanoma; Tumor necrosis factor α; Immunotherapy; Gene therapy (Yannelli, J.R. (161) 77)

Cytokine; Fluorescence activated cell sorter; Iodination; IL-2R (Chianelli, M. (166) 177)

IL-2R
IL-2; Cytokine; Fluorescence activated cell sorter; Iodination (Chianelli, M. (166) 177)

IL-2 receptor
Ammonium chloride lysis; Monoclonal antibody; Flow cytometry (Webster, G.A. (163) 115)

IL-3
Activated killer macrophage; Mononuclear cell; Culture; Adoptive immunotherapy; GM-CSF; M-CSF; IFN-γ, recombinant human (Lopez, M. (159) 29)

IL-3, human
Phage display; Monoclonal antibody neutralizing (Gram, H. (161) 169)

IL-4
Human peripheral blood mononuclear cell; Tetanus toxoid; Purified protein derivate of tuberculin; Phorbol myristate acetate; Ionomycin (Kurtzhals, J.A.L. (156) 239)

Cytokine producing cell; ELISPOT; IL-2; IL-6 (Fujihashi, K. (160) 181)

Polymerase chain reaction; Thymocyte; T cell; Platelet-activating factor; (Mouse) (Barthelson, R.A. (161) 67)

IL-4 bioassay
Interleukin-4 dependent cell line; Interleukin-4 quantitation; Interleukin-4 receptor expression (Favre, N. (164) 213)

IL-4 dependent cell line
Interleukin-4 bioassay; Interleukin-4 quantitation; Interleukin-4 receptor expression (Favre, N. (164) 213)

IL-4 quantitation
Interleukin-4 dependent cell line; Interleukin-4 bioassay; Interleukin-4 receptor expression (Favre, N. (164) 213)

IL-4 receptor expression
Interleukin-4 dependent cell line; Interleukin-4 bioassay; Interleukin-4 quantitation (Favre, N. (164) 213)

IL-6
Collaborative study (Gaines Das, R.E. (160) 147)

Cytokine producing cell; ELISPOT; IL-2; IL-4 (Fujihashi, K. (160) 181)

gp130; IL-6 receptor; IL-6 signal transducer; (Antibody) (Saito, T. (163) 217)

Whole blood; Tumor necrosis factor α; IFN-γ (De Groote, D. (163) 259)

IL-6 receptor
gp130; IL-6; IL-6 signal transducer; (Antibody) (Saito, T. (163) 217)

IL-6 signal transducer
gp130; IL-6; IL-6 receptor; (Antibody) (Saito, T. (163) 217)

IL-8
ELISA; Sepsis (Ida, N. (156) 27)

Erythrocyte-bound IL-8; IL-1α; Immunotherapy (Tilg, H. (163) 253)

IL-10
Intracellular expression; Flow cytometry; Digitonin; T cell permeabilization (Kreft, B. (156) 125)

proIL-1β
ELISA; Convertase; Macrophage; Lysate (Wewers, M.D. (165) 269)

ILISPOT
ELISPOT; Gastrointestinal tract; Immunofluorescence-digital image processing system; IgA producing, spot-forming cell (Amano, M. (164) 79)

Immediate early antigen
Neutralization assay; Enzyme immunoassay; Cytomegalovirus; Monoclonal antibody, human (Tomiyama, T. (159) 71)

Immobilized metal affinity chromatography
Immunodetection of recombinant proteins; Metal binding peptide; HIV-1 reverse transcriptase; Renin cleavage (Evans, D.B. (156) 231)

Immortalization
Intestinal epithelial cell; Major histocompatibility complex class II; Antigen presenting cell (Vidal, K. (166) 63)

Immune complex
Complement; Complement receptor type 1; Erythrocyte (Reist, C.J. (163) 199)

Immune complex receptor
Flow cytometry; Inflammation; Adhesion molecule (McCarthy, D.A. (163) 155)

Immune response
Neutralizing antibody; Detection; Cytotoxicity; Protection; Vaccine efficacy; Shigella toxin; Influenza virus; Chikungunya virus (Van de Water, C. (166) 157)

Immune response to virus
CD8 T cell; HIV infection (Hausner, M.A. (157) 181)

Immune suppression
E. coli antigen; Immunization; Antigenic competition; Heterologous antiserum; Immunoblotting (Hammerl, P. (160) 155)

Immunization
E. coli antigen; Immune suppression; Antigenic competition; Heterologous antiserum; Immunoblotting (Hammerl, P. (160) 155)

Freund's adjuvant; Antibody production; Emulsion; (Antigen) (Moncada, C. (162) 133)

Immunoadsorbent
Polysaccharide chemistry; Hapten substitution; Labelling; Conjugation; Chromatography affinity (Ey, P.L. (160) 135)

Immunoassay
Displacement; Biosensor (Wemhoff, G.A. (156) 223)

Conformation; Monoclonal antibody (Lolov, S. (157) 19)

Clostridial myonecrosis; Diagnosis; Sialidase (neuraminidase); *Clostridium perfringens*; *Clostridium septicum*; *Clostridium sordellii* (Roggentin, T. (157) 125)

Morphine; Monoclonal antibody (Usagawa, T. (157) 143)

Amphetamine; Latex agglutination (Mongkolsirichaikul, D. (157) 189)

Covalent linkage; Coated membrane; Microalbuminuria (Solomon, B. (157) 209)

Immunomagnetic bead; Human platelet antigen; Membrane glycoprotein (Löliger, C. (158) 197)

Immunoliposome; Maleimidobenzoylphosphatidylethanolamine; Alkaline phosphatase; Anti-bovine serum albumin antibody; Liposome immune lysis (Kim, C.-K. (159) 101)

Monoclonal antibody; Myoglobin; Biosensor; BIAcore; Real time biospecific interaction analysis (Johne, B. (160) 191)

Dystrophin; Muscular dystrophy; ELISA; Monoclonal antibody, muscle (Morris, G.E. (161) 23)

IL-1β; ELISA (Newton, R.C. (161) 257)

Spermine; Spermidine; Polyamine; Wheat seedling (Garthwaite, I. (162) 175)

Glycophorin; Sialoglycoprotein; ELISA; Erythrocyte membrane (Herráez, A. (162) 225)

Fibronectin; Serum; Plasma (Ylätupa, S. (163) 41)

Idiotype/anti-idiotype; Heat-shock protein; *Chlamydia trachomatis* (Laferrière, C. (163) 123)

Tumor necrosis factor receptor; U937 cell (Liabakk, N.-B. (163) 145)

Iodine label; Sandell-Kolthoff reaction; Human antibody level (O'Kennedy, R. (163) 225)

Magnetic bead; Protein A; Protein G; Monoclonal antibody (Widjojoatmodjo, M.N. (165) 11)

Newcastle disease virus; Streptavidin; Biotin; Filtration; Detection; Biosensor; Light addressable potentiometric sensor (Lee, W.E. (166) 123)

Immunoblot
Hepatitis C virus; Enzyme immunoassay; RIBA-II; Recombinant immunoblot assay, second generation; Polymerase chain reaction (Craske, J. (160) 227)

Trypanosome; Immunoplot; Non-variant antigen (Tidey, P.J. (161) 223)

Immunoblotting
Blocking agent; High background; Human serum albumin (Craig, W.Y. (158) 67)

E. coli antigen; Immunization; Immune suppression; Antigenic competition; Heterologous antiserum (Hammerl, P. (160) 155)

Glycophorin; Band 3; Variant forms; Monoclonal antibody (Wasniowska, K. (160) 253)

Anti-pituitary autoantibody; Growth hormone deficiency; Empty sella syndrome (Crock, P. (162) 31)

Immunoconjugate
Photosensitizer; (Antibody) (Lu, X.-M. (156) 85)

Immunocytochemistry
Granulocyte-macrophage colony-stimulating factor; Receptor; Cytokine; Digoxigenin (Roncaroli, F. (158) 191)

Immunodetection
Anti-ganglioside antibody; Polyvinylidene difluoride membrane; Dot blot (Chabraoui, F. (165) 225)

Immunodetection of recombinant proteins
Metal binding peptide; Immobilized metal affinity chromatography; HIV-1 reverse transcriptase; Renin cleavage (Evans, D.B. (156) 231)

Immunoenzymetric assay
Cytokine; Immunohistochemical assay; Peripheral blood mononuclear cell; Spleen cell (Sander, B. (166) 201)

Immunofluorescence
Anti-neutrophil cytoplasmic antibody; Wegener's granulomatosis; Vasculitis; Standardization (Hagen, E.C. (159) 1)

Immunofluorescence-digital image processing system
ELISPOT; Gastrointestinal tract; ILISPOT; IgA producing, spot-forming cell (Amano, M. (164) 79)

Immunofluorometric assay
Streptavidin-biotin; Tumor-associated trypsin inhibitor (Osman, S. (161) 97)

Immunogenicity
Synthetic peptide; Iscom; Chemical conjugation; Peptide vaccine (Larsson, M. (162) 257)

Immunoglobulin
IgM; Paraprotein; Polyethylene glycol; Purification (Tatum, A.H. (158) 1)

Phocid; Canine distemper virus; Monoclonal antibody (King, D.P. (160) 163)

Protein L; Fab; Fv; Chromatography, affinity; (Humanized) (Nilson, B.H.K. (164) 33)

Immunoglobulin fusion
ELAM-1; GMP140; CD62; PADGEM; Adhesion; E-Selectin; P-Selectin (Dietsch, M.T. (162) 123)

Immunoglobulin G purification
Glycosylation; Rheumatoid arthritis (Bond, A. (166) 27)

Immunoglobulin purification
ELISA; Monoclonal antibody; IgG subclass; IgM; Purified Ig standards (Mushens, R.E. (162) 77)

Immunohistochemical assay
Cytokine; Immunoenzymetric assay; Peripheral blood mononuclear cell; Spleen cell (Sander, B. (166) 201)

Immunohistochemical staining
Granzyme A; Granzyme B; Monoclonal antibody (Kummer, J.A. (163) 77)

Immunohistochemistry
HLA class II antigen; Formalin-fixed tissue; Monoclonal antibody (Temponi, M. (161) 239)

Monoclonal antibody, chemically modified; Photo-cross linker (Masuko, T. (165) 67)

Immuno-ligand assay
Fermentation; Yeast (Robinett, R.S.R. (159) 229)

Immunoliposome
Maleimidobenzoylphosphatidylethanolamine; Alkaline phosphatase; Immunoassay; Anti-bovine serum albumin antibody; Liposome immune lysis (Kim, C.-K. (159) 101)

Immunological adjuvant
Liposome; Microbial vaccine; Bacterium (Antimisiaris, S.G. (166) 271)

Immunomagnetic bead
Basophil, human; Negative selection; Histamine release (Bjerke, T. (157) 49)

Immunoassay; Human platelet antigen; Membrane glycoprotein (Löliger, C. (158) 197)

X inactivation; X-linked agammaglobulinemia; Androgen receptor; B cell, purified; Carrier determination (Alterman, L.A. (166) 111)

Immunomagnetic colloid
Monoclonal antibody; Cell separator; Ferrofluid (Hancock, J.P. (164) 51)

Immunomagnetic separation
$CD8^+$ T cell, human; Detachment; Cellular immune response; Measles virus; HIV (Geretti, A.M. (161) 129)

Immunophenotyping
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Anticoagulant; Flow cytometry; HIV infection (Nicholson, J.K.A. (165) 31)

Immunoplot
Trypanosome; Immunoblot; Non-variant antigen (Tidey, P.J. (161) 223)

Immunoprecipitation
Platelet; Alloantigen; Biotin; Glycoprotein; (Antigen) (Smith, J.W. (158) 77)

Ultrasound; Ultrasonic standing wave field; Agglutination test; Ring transducer (Grundy, M.A. (165) 47)

Immunoprotection
Plasmodium falciparum; Phagocytosis; Opsonizing antibody (Gysin, J. (159) 209)

Immunopurification
Monospecific antibody; Peptide; ELISA; *Plasmodium falciparum* (Brahimi, K. (162) 69)

Immunoradiometric assay
Corticotrophin releasing factor; Peptide antigenicity; Interleukin-1 (Hagan, P. (160) 11)

Immunotherapy
Idiotypy; Lysozyme; Transgenic mouse (Grivel, J.-C. (158) 173)

Melanoma; Tumor necrosis factor α; IL-2; Gene therapy (Yannelli, J.R. (161) 77)

IL-8; Erythrocyte-bound IL-8; IL-1α (Tilg, H. (163) 253)

Immunotoxin
Ricin A chain; (Antibody) (Ghetie, V. (166) 117)

Indole compound
Monoclonal antibody; Eu-melanin (Kammeyer, A. (156) 61)

Infection
Macrophage; Mycobacterium; Polymerase chain reaction; Bactericidal activity; BCG (Barrera, L.F. (157) 91)

Inflammation
Flow cytometry; Adhesion molecule; Immune complex receptor (McCarthy, D.A. (163) 155)

Influenza virus
Neutralizing antibody; Detection; Cytotoxicity; Protection; Immune response; Vaccine efficacy; Shigella toxin; Chikungunya virus (Van de Water, C. (166) 157)

Inhibin
Activin; Synthetic peptide; Monoclonal antibody; ELISA (Groome, N. (165) 167)

In situ
Polymerase chain reaction; Pathogenesis; Latency; Tumor load; Viral load; HIV-1 (Bagasra, O. (158) 131)

Insulin autoantibody
Prokaryotic expression; Recombinant preproinsulin; Insulin-dependent diabetes mellitus; Chromatography, affinity (Berg, H. (164) 221)

Insulin-dependent diabetes mellitus
Prokaryotic expression; Recombinant preproinsulin; Insulin autoantibody; Chromatography, affinity (Berg, H. (164) 221)

Insulin, human
Time-resolved fluoroimmunoassay; Monoclonal antibody (Storch, M.-J. (157) 197)

Insulin specific antibody
In vivo labelling; Fluorescent dye; Laser flow cytometry; B lymphocyte; (Spleen) (Khalaf, A.-N. (165) 121)

Integrating sphere turbidimetric assay
Hepatitis B virus; HBsAg level; Latex agglutination (Yamashiki, M. (158) 251)

Integrin
Flow cytometry; CD11b; Neutrophil; Monocyte (Repo, H. (164) 193)

Lymphocyte migration; Cell tracking; Quantification of cell locomotion; Trajectory; Collagen matrix (Friedl, P. (165) 157)

Interferon
Dot blot; Major histocompatibility; Transfection; ELISA (Gillott, D.J. (165) 231)

Interstitium
Type I collagen; Lymphocyte; Locomotion; Protease; Locomotion inhibitor; Tumor matrix (Gutman, H. (157) 175)

Intestinal epithelial cell
Immortalization; Major histocompatibility complex class II; Antigen presenting cell (Vidal, K. (166) 63)

Intestine T cell
Intraepithelial lymphocyte; Flow cytometry; T cell receptor (Mosley, R.L. (156) 19)

Intracellular Ca^{2+}
T cell; CD3; CD4; CD8; Ca^{2+} imaging (Katayama, Y. (166) 145)

Intracellular expression
Interleukin-10; Flow cytometry; Digitonin; T cell permeabilization (Kreft, B. (156) 125)

Intracellular immunofluorescence
Flow cytometry; Cytokine; Monensin; T cell clone (Jung, T. (159) 197)

Intraepithelial lymphocyte
Intestine T cell; Flow cytometry; T cell receptor (Mosley, R.L. (156) 19)

Intravenous immunoglobulin
Anticomplementary activity; Complement activity (Törmä, E. (164) 101)

Inverse confidence interval
Inverse regression; Nonlinear regression; Bioassay; Drug potency determination (Alvord, W.G. (157) 155)

Inverse regression
Inverse confidence interval; Nonlinear regression; Bioassay; Drug potency determination (Alvord, W.G. (157) 155)

In vitro
Lateral diffusion; Cell culture; *Trichinella*; Antibody-forming cell; Phosphorylcholine (Ubeira, F.M. (159) 107)

Culture medium; Glutamine; Ammonia; Proliferation (Heeneman, S. (166) 85)

In vitro booster
Sphingomyelinase; Monoclonal antibody preparation; Quantitative determination; Polypeptide analysis; Niemann-Pick disease (Rousson, R. (160) 199)

In vitro culture
HIV-1; Perinatal infection; (Antibody) (Indraccolo, S. (157) 105)

In vitro expression
Single-chain antibody; Variable region; Antibody fragment; Cloning; Hybridoma (Nicholls, P.J. (165) 81)

In vitro immunization
Polyvinylidene difluoride; 6-Pyruvoyl tetrahydropterin synthase; Monoclonal antibody; Tetrahydrobiopterin (Guzman, J. (158) 37)

Peripheral blood lymphocyte, human; *Candida albicans*; Antibody secreting cells; ELISPOT (Giacomini, E. (164) 203)

Class switch; Monoclonal IgG1 antibody; T_H2 cell (Uthoff, S. (166) 165)

In vivo labelling
Fluorescent dye; Laser flow cytometry; B lymphocyte; Insulin specific antibody; (Spleen) (Khalaf, A.-N. (165) 121)

In vivo model
Cytokine; Local production; (Mouse) (Rollwagen, F.M. (166) 223)

Iodinated gradient medium
Cell separation; Isopycnic density centrifugation; Density perturbation; Antibody-coated density particle; Dynabeads; Confocal microscopy (Patel, D. (163) 241)

Iodination
IL-2; Cytokine; Fluorescence activated cell sorter; IL-2R (Chianelli, M. (166) 177)

Iodine label
Immunoassay; Sandell-Kolthoff reaction; Human antibody level (O'Kennedy, R. (163) 225)

Ionomycin
Interleukin-4; Human peripheral blood mononuclear cell; Tetanus toxoid; Purified protein derivate of tuberculin; Phorbol myristate acetate (Kurtzhals, J.A.L. (156) 239)

Iscom
Synthetic peptide; Immunogenicity; Chemical conjugation; Peptide vaccine (Larsson, M. (162) 257)

Isolation
Kupffer cells; Cytotoxicity; Colorimetric MTT assay; (Rat) (Heuff, G. (159) 115)

Isopycnic density centrifugation
Cell separation; Iodinated gradient medium; Density perturbation; Antibody-coated density particle; Dynabeads; Confocal microscopy (Patel, D. (163) 241)

Isotype switching
ELISA spot; Chemiluminescence; Automatic counting (Spira, G. (165) 263)

J

Japanese encephalitis virus
Antibody-forming cell assay; Flavivirus; Avidin-biotin; B cell (García-García, J. (157) 259)

J774 cell
Oxidative burst; Fluorescence assay; 2′,7′-Dichlorofluorescin; Diacetate; Mono Mac 6 cell (Wan, C.P. (159) 131)

Phagocytosis; Fluorescence assay; Fluorescein; Microplate fluorometer (Wan, C.P. (162) 1)

K

K562 cell
Quantitative fluorescence microscopy; Natural killer cell; Fluo-3; Seminaphthorhodafluor 1; Patch clamp (Van Graft, M. (159) 145)

Natural killer cell; Lymphokine-activated killer cell; β-Galactosidase (Ohmori, H. (164) 131)

Kell
Blood group antigen; Lutheran; Yt; Acetylcholinesterase; Monoclonal antibody immobilization of erythrocyte antigen (Petty, A.C. (161) 91)

K88 expression
Escherichia coli; ELISA; Medium (Payne, D. (159) 283)

Keyhole limpet hemocyanin
Amino acid analysis; Heterobifunctional crosslinker; Synthetic peptide; Conjugate; Least square (Shuler, K.R. (156) 137)

Kinetic analysis
HIV-1 seropositivity; Autologous agglutination test; Monoclonal antibody, anti-glycophorin; Erythrocyte (Catimel, B. (165) 183)

Kinetics
Affinity; BIAcore; Biosensor; Monoclonal antibody; Tobacco mosaic virus (Pellequer, J.L. (166) 133)

Kupffer cell
Isolation; Cytotoxicity; Colorimetric MTT assay; (Rat) (Heuff, G. (159) 115)

mRNA; Tumor necrosis factor; IL-1β; (Liver) (Janousek, J. (164) 109)

L

Labelling
Polysaccharide chemistry; Hapten substitution; Conjugation; Immunoadsorbent; Chromatography affinity (Ey, P.L. (160) 135)

LAK cell
Natural killer cell; Panning; Cryopreservation (Voshol, H. (165) 21)

Laser flow cytometry
In vivo labelling; Fluorescent dye; B lymphocyte; Insulin specific antibody; (Spleen) (Khalaf, A.-N. (165) 121)

Latency
In situ; Polymerase chain reaction; Pathogenesis; Tumor load; Viral load; HIV-1 (Bagasra, O. (158) 131)

Lateral diffusion
Cell culture; *Trichinella*; Antibody-forming cell; in vitro; Phosphorylcholine (Ubeira, F.M. (159) 107)

Latex agglutination
Amphetamine; Immunoassay (Mongkolsirichaikul, D. (157) 189)

Hepatitis B virus; HBsAg level; Integrating sphere turbidimetric assay (Yamashiki, M. (158) 251)

Latex microsphere
Viral antigen; Bacterial antigen; T cell proliferation; T cell clone; SDS-PAGE (Katrak, K. (156) 247)

HIV-1 gp160; Antigen-coated particle; Cell-mediated immunity; Lymphocyte proliferation (Wu, J.-Y. (159) 39)

Least square
Keyhole limpet hemocyanin; Amino acid analysis; Heterobifunctional crosslinker; Synthetic peptide; Conjugate (Shuler, K.R. (156) 137)

Leukemia inhibitory factor
ELISA; Monoclonal antibody (Kim, K.J. (156) 9)

Leukocyte
L-Selectin; Shedding; Receptor; ELISA (Spertini, O. (156) 115)

Hybrid endothelial cell; Adherence (Brown, K.A. (163) 13)

Leukocyte function associated antigen-1 (CD11a/CD18)
Cell adhesion; Lymphocyte; Adhesion molecule (Miki, I. (164) 255)

Ligation-mediated polymerase chain reaction
DNA sequencing; Polymerase chain reaction; T cell receptor (Tsuruta, Y. (161) 7)

Light addressable potentiometric sensor
Newcastle disease virus; Streptavidin; Biotin; Filtration; Detection; Biosensor; Immunoassay (Lee, W.E. (166) 123)

Limiting dilution analysis
Logistic regression; Single-hit Poisson model; Multivariate model (Burleson, J.A. (159) 47)

Lineage specific gating
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Lipid A
Lipopolysaccharide; ELISA (David, S.A. (163) 85)

Lipid hapten
Monensin hemisuccinate; Mixed anhydride method; Conjugation; Monoclonal antibody; MicroELISA (Pauillac, S. (164) 165)

Lipopolysaccharide
Lipid A; ELISA (David, S.A. (163) 85)

Liposome
Microbial vaccine; Immunological adjuvant; Bacterium (Antimisiaris, S.G. (166) 271)

Liposome immune lysis
Immunoliposome; Maleimidobenzoylphosphatidylethanolamine; Alkaline phosphatase; Immunoassay; Anti-bovine serum albumin antibody (Kim, C.-K. (159) 101)

Liver cirrhosis
Platelet-activating factor; Radioimmunoassay; Disseminated intravascular coagulation (Sugatani, J. (166) 251)

Liver-infiltrating lymphocyte
^{51}Cr-labeling; Hepatocyte, human (Shimizu, Y. (164) 69)

Local production
Cytokine; In vivo model; (Mouse) (Rollwagen, F.M. (166) 223)

Locomotion
Type I collagen; Lymphocyte; Protease; Locomotion inhibitor; Interstitium; Tumor matrix (Gutman, H. (157) 175)

Locomotion inhibitor
Type I collagen; Lymphocyte; Locomotion; Protease; Interstitium; Tumor matrix (Gutman, H. (157) 175)

Logistic regression
Limiting dilution analysis; Single-hit Poisson model; Multivariate model (Burleson, J.A. (159) 47)

Lutheran
Blood group antigen; Kell; Yt; Acetylcholinesterase; Monoclonal antibody immobilization of erythrocyte antigen (Petty, A.C. (161) 91)

Lymphoblastoid cell line
Monoclonal antibody, human; Ras oncogene; Retroviral vector (Shammah, S. (160) 19)

Cytotoxic T lymphocyte; Anti-CD40; B cell line; Cytotoxic T lymphocyte epitope; Epstein-Barr virus; Recombinant vaccinia virus (Khanna, R. (164) 41)

Lymphocyte
Clustering; Monocyte; Carbocyanine (Gant, V.A. (156) 179)

Cryopreservation; Field conditions (Hviid, L. (157) 135)

Type I collagen; Locomotion; Protease; Locomotion inhibitor; Interstitium; Tumor matrix (Gutman, H. (157) 175)

Cell motility; Cell shape; Fourier analysis; T cell lymphoma (Verschueren, H. (163) 99)

Candida albicans; Growth inhibition (Beno, D.W.A. (164) 155)

Cell adhesion; Leukocyte function associated antigen-1 (CD11a/CD18); Adhesion molecule (Miki, I. (164) 255)

Candida albicans; Adhesion; YT (Forsyth, C.B. (165) 113)

Transfection; Macrophage; Particle bombardment; Transgene (Burkholder, J.K. (165) 149)

Lymphocyte activation
Polymerase chain reaction; Lymphokine mRNA expression (Kramnik, I. (162) 143)

Lymphocyte migration
Cell tracking; Quantification of cell locomotion; Trajectory; Collagen matrix; Integrin (Friedl, P. (165) 157)

Lymphocyte proliferation
HIV-1 gp160; Latex microsphere; Antigen-coated particle; Cell-mediated immunity (Wu, J.-Y. (159) 39)

Lymphocyte subpopulation
Flow cytometry; Three-color staining; CD45RO/RA (Gruber, R. (163) 173)

Lymphocyte subsets
Lysed whole blood; Three-color immunofluorescence; Animal models (Peakman, M. (158) 87)

Flow cytometry; Technical influence; Propidium iodide; Viability (Ekong, T. (164) 263)

Lymphokine
T lymphokine; Secretion; Cyclosporin A (Trenn, G. (161) 41)

Lymphokine activated killer cell
Fluorometric cytotoxicity assay (Krüger-Krasagakes, S. (156) 1)

Membrane fluorescence; Cellular cytotoxicity; Natural killer cell; Activated T cell (Kroesen, B.-J. (156) 47)

Lymphokine-activated killer cell
Natural killer cell; β-Galactosidase; K562 cell (Ohmori, H. (164) 131)

Lymphokine assay
Tetrazolium salt; Colorimetric assay; Cell growth (Buttke, T.M. (157) 233)

Lymphokine mRNA expression
Polymerase chain reaction; Lymphocyte activation (Kramnik, I. (162) 143)

Lysate
proIL-1β; ELISA; Convertase; Macrophage (Wewers, M.D. (165) 269)

Lysed whole blood
Lymphocyte subsets; Three-color immunofluorescence; Animal models (Peakman, M. (158) 87)

Lysis
Avidin; Biotin; Complement; Biotinyl-lipid; Membrane modification (Muzykantov, V.R. (158) 183)

Lysozyme
Idiotypy; Immunotherapy; Transgenic mouse (Grivel, J.-C. (158) 173)

M

α_2-Macroglobulin
Epitope mapping; Monoclonal antibody; ELISA; Blood protein (Birkenmeier, G. (162) 59)

Elastase-α_2-macroglobulin complex; ELISA (Adeyemi, E.O. (164) 189)

Macrophage
Mycobacterium; Infection; Polymerase chain reaction; Bactericidal activity; BCG (Barrera, L.F. (157) 91)

Phagocytosis assay; Gentamicin; *Escherichia coli*; *Yersinia enterocolitica* (Tabrizi, S.N. (158) 201)

Cell concentration; Monocyte; Neutrophil; Superoxide (Tritsch, G.L. (160) 59)

Adhesion; Connective tissue deposition; Fibrosis; Growth factor; Peritoneal membrane (Frazier-Jessen, M.R. (162) 115)

Monocyte; Fluorometric quantification; 4,6-Diamidino-2-phenylindole; DNA (Shapira, L. (165) 93)

Transfection; Lymphocyte; Particle bombardment; Transgene (Burkholder, J.K. (165) 149)

proIL-1β; ELISA; Convertase; Lysate (Wewers, M.D. (165) 269)

Magnetic bead
Protein A; Protein G; Monoclonal antibody; Immunoassay (Widjojoatmodjo, M.N. (165) 11)

Cell separation; Surface antigen; Confocal microscopy (Rubbi, C.P. (166) 233)

Magnetic cell sorter
Follicular dendritic cell (Schmitz, J. (159) 189)

Eosinophil; *N*-Formyl-methionyl-leucyl-phenylalanine; Percoll gradient (Laviolette, M. (165) 253)

Major depressive disorder
Specific antibody; Spacer arm; Selective conjugation; Tricyclic antidepressant; Fluorescence polarization (Adamczyk, M. (162) 47)

Specific antibody; Spacer arm; Selective conjugation; Tricyclic antidepressant; Fluorescence polarization (Adamczyk, M. (163) 187)

Major histocompatibility
Dot blot; Transfection; Interferon; ELISA (Gillott, D.J. (165) 231)

Major histocompatibility complex-class II molecule
Epithelial cell; Small intestinal biopsy; Flow cytometric analysis (Madrigal, L. (158) 207)

Major histocompatibility complex class II-peptide complex
T cell epitope; Competitive inhibition; Anti-peptide antibody (Brumeanu, T.D. (160) 65)

Immortalization; Intestinal epithelial cell; Antigen presenting cell (Vidal, K. (166) 63)

Transgenic mouse; Vector (Kouskoff, V. (166) 287)

Maleimidobenzoylphosphatidylethanolamine
Immunoliposome; Alkaline phosphatase; Immunoassay; Anti-bovine serum albumin antibody; Liposome immune lysis (Kim, C.-K. (159) 101)

Mass transfer
Concentration; Affinity; (Antibody) (Karlsson, R. (166) 75)

Measles virus
$CD8^+$ T cell, human; Immunomagnetic separation; Detachment; Cellular immune response; HIV (Geretti, A.M. (161) 129)

Medium
K88 expression; *Escherichia coli*; ELISA (Payne, D. (159) 283)

Melanoma
Tumor necrosis factor α; IL-2; Immunotherapy; Gene therapy (Yannelli, J.R. (161) 77)

Membrane
Basophil; IgE; Phosphoinositide; Phosphoenolpyruvate; α-Toxin (Kuhn, D.E. (157) 81)

Membrane fluorescence
Cellular cytotoxicity; Natural killer cell; Lymphokine activated killer cell; Activated T cell (Kroesen, B.-J. (156) 47)

Membrane glycoprotein
Immunoassay; Immunomagnetic bead; Human platelet antigen (Löliger, C. (158) 197)

Membrane IgD
B lymphocyte; Membrane IgM; ELISA; Flow cytometry (Zhang, M. (166) 215)

Membrane IgM
B lymphocyte; Membrane IgD; ELISA; Flow cytometry (Zhang, M. (166) 215)

Membrane modification
Avidin; Biotin; Complement; Lysis; Biotinyl-lipid (Muzykantov, V.R. (158) 183)

Membrane potential
Natural killer cell; Cytotoxicity; Flow cytometry (Radošević, K. (161) 119)

Membrane protein
Enzyme immunoassay; Prostaglandin H synthase; Detergent (Ruan, K.-H. (162) 23)

Membranoproliferative glomerulonephritis type II
C3 nephritic factor; ELISA (Seino, J. (159) 221)

Meningococcal capsular polysaccharide
Biotinylation; Spin column; Enzyme immunoassay; Alkaline phosphatase; Blocking buffer (Diaz Romero, J. (160) 35)

Metal binding peptide
Immunodetection of recombinant proteins; Immobilized metal affinity chromatography; HIV-1 reverse transcriptase; Renin cleavage (Evans, D.B. (156) 231)

Methodology
Eosinophil; Eosinophil cationic protein; Eosinophil protein X; Eosinophil derived neurotoxin; Release (Reimert, C.M. (166) 183)

MHC class I
Peptide binding; Affinity measurement; RMA-S; T2 (Elvin, J. (158) 161)

Microalbuminuria
Covalent linkage; Coated membrane; Immunoassay (Solomon, B. (157) 209)

Microbial vaccine
Liposome; Immunological adjuvant; Bacterium (Antimisiaris, S.G. (166) 271)

MicroELISA
Monensin hemisuccinate; Mixed anhydride method; Lipid hapten; Conjugation; Monoclonal antibody (Pauillac, S. (164) 165)

Microplate fluorometer
Phagocytosis; Fluorescence assay; Fluorescein; J774 cell (Wan, C.P. (162) 1)

Microtiter plate
Hoechst 33258; DNA assay; ELISA; Spectrofluorimeter (Papadimitriou, E. (162) 41)

Micrurus
MTT; Myonecrosis; Antibody neutralization; Snake venom (Lomonte, B. (161) 231)

Mini-electrofusion
Panning; Paramagnetic immunobead; Selection; Antigen-specific B cell; Monoclonal antibody; B cell clone (Steenbakkers, P.G.A. (163) 33)

Mixed anhydride method
Monensin hemisuccinate; Lipid hapten; Conjugation; Monoclonal antibody; MicroELISA (Pauillac, S. (164) 165)

Monensin
Flow cytometry; Cytokine; T cell clone; Intracellular immunofluorescence (Jung, T. (159) 197)

Monensin hemisuccinate
Mixed anhydride method; Lipid hapten; Conjugation; Monoclonal antibody; MicroELISA (Pauillac, S. (164) 165)

Monoclonal antibody
Leukemia inhibitory factor; ELISA (Kim, K.J. (156) 9)

Eu-melanin; Indole compound (Kammeyer, A. (156) 61)

Actinobacillus pleuropneumoniae; Passive immunization (Stenbæk, E. (156) 267)

Conformation; Immunoassay (Lolov, S. (157) 19)

Morphine; Immunoassay (Usagawa, T. (157) 143)

Time-resolved fluoroimmunoassay; Insulin, human (Storch, M.-J. (157) 197)

Affinity adsorption; SDS-PAGE; Hepatitis B surface antigen; Hepatitis B e antigen (Takahashi, K. (157) 217)

CD antigen; (Rabbit) (Kotani, M. (157) 241)

Monoclonal antibody-specific immobilization of lymphocyte antigens, HLA (Sánchez, B. (157) 253)

In vitro immunization; Polyvinylidene difluoride; 6-Pyruvoyl tetrahydropterin synthase; Tetrahydrobiopterin (Guzman, J. (158) 37)

Conjugate; Antibody-directed enzyme-prodrug therapy; Antibody-enzyme conjugate; Carboxypeptidase G_2; Carcinoembryonic antigen (Melton, R.G. (158) 49)

Defensin; Biotinylation; ELISA (Panyutich, A.V. (158) 237)

Epitope mapping; Cell-free protein biosynthesis; Tryptophan synthase (Friguet, B. (158) 243)

Type II collagen; Osteoarthritis; Articular cartilage; ELISA (Srinivas, G.R. (159) 53)

Purification; Fetal calf serum; IgG, bovine (Darby, C.R. (159) 125)

Phocid; Canine distemper virus; Immunoglobulin (King, D.P. (160) 163)

Myoglobin; Immunoassay; Biosensor; BIAcore; Real time biospecific interaction analysis (Johne, B. (160) 191)

Immunoblotting; Glycophorin; Band 3; Variant forms (Wasniowska, K. (160) 253)

Ovalbumin; Polyclonal antibody; Ascites; (Mouse) (Mahana, W. (161) 187)

Chromatography, fast protein liquid; Chromatography; IgG fraction (Mazza, G. (161) 193)

Ornithine decarboxylase; Computer assisted epitope analysis; Solid-phase peptide synthesis; Active center (Schipper, R.G. (161) 205)

HLA class II antigen; Formalin-fixed tissue; Immunohistochemistry (Temponi, M. (161) 239)

α_2 Macroglobulin; Epitope mapping; ELISA; Blood protein (Birkenmeier, G. (162) 59)

ELISA; IgG subclass; IgM; Immunoglobulin purification; Purified Ig standards (Mushens, R.E. (162) 77)

Apolipoprotein B; Glycation; Atherosclerosis; Diabetes (Shea, E.A. (162) 85)

Affinity constant; Solid-phase antigen; *Fel d* I (Van Milligen, F.J. (162) 165)

Endothelin; Enzyme immunoassay; Acetylcholinesterase; Human umbilical vein endothelial cell (Créminon, C. (162) 179)

Carcinoembryonic antigen; Carcinoembryonic antigen-related normal antigen; Enzyme immunoassay (Nagasaki, H. (162) 235)

Panning; Paramagnetic immunobead; Selection; Antigen-specific B cell; B cell clone; Mini-electrofusion (Steenbakkers, P.G.A. (163) 33)

Complement; C4b/c; ELISA; Classical pathway (Wolbink, G.J. (163) 67)

Granzyme A; Granzyme B; Immunohistochemical staining (Kummer, J.A. (163) 77)

Ammonium chloride lysis; IL-2 receptor; Flow cytometry (Webster, G.A. (163) 115)

Atrazine determination; Fiber optical sensor; Weak competitor (Jockers, R. (163) 161)

RNA-DNA hybrid; Poly(A); mRNA (Kitagawa, Y. (164) 5)

Immunomagnetic colloid; Cell separator; Ferrofluid (Hancock, J.P. (164) 51)

Affinity; Avidity; ELISA; (Antibody) (Underwood, P.A. (164) 119)

Monensin hemisuccinate; Mixed anhydride method; Lipid hapten; Conjugation; MicroELISA (Pauillac, S. (164) 165)

T cell receptor; Vβ3 (Calaman, S.D. (164) 233)

Magnetic bead; Protein A; Protein G; Immunoassay (Widjojoatmodjo, M.N. (165) 11)

Allergen; Blocking antibody; IgG4; IgG subclass; IgG isotype (Lambin, P. (165) 99)

Inhibin; Activin; Synthetic peptide; ELISA (Groome, N. (165) 167)

C3a/C3adR; C3; C5a/C5adR; Anaphylatoxin assay (Hartmann, H. (166) 35)

Affinity; BIAcore; Biosensor; Kinetics; Tobacco mosaic virus (Pellequer, J.L. (166) 133)

Monoclonal antibody, anti-glycophorin
HIV-1 seropositivity; Autologous agglutination test; Kinetic analysis; Erythrocyte (Catimel, B. (165) 183)

Monoclonal antibody, anti-H
H antigen; Blood group typing; Carbohydrate specificity; Fucosylated glycoconjugate (Nakajima, T. (159) 261)

Monoclonal antibody, anti-peptide
ELISA; Supernatant screening; Anti-immunoglobulin antibody; False positive results (Smith, S.C. (158) 151)

Monoclonal antibody, bi-specific
Hollow-fiber bioreactor (Gorter, A. (161) 145)

Monoclonal antibody, chemically modified
Photo-cross linker; Immunohistochemistry (Masuko, T. (165) 67)

Monoclonal antibody, human
Hybridoma, human; Hepatitis B virus; Hepatitis B virus core antigen; Heterohybridoma (Zanella, I. (156) 205)

Neutralization assay; Enzyme immunoassay; Cytomegalovirus; Immediate early antigen (Tomiyama, T. (159) 71)

Hybridoma; Peripheral B lymphocyte; CD40 system (Darveau, A. (159) 139)

Anti-idiotypic antibody; Agglutination; HBsAg (Cocchi, J.M. (160) 1)

Lymphoblastoid cell line; Ras oncogene; Retroviral vector (Shammah, S. (160) 19)

Monoclonal antibody immobilization of erythrocyte antigen
Blood group antigen; Kell; Lutheran; Yt; Acetylcholinesterase (Petty, A.C. (161) 91)

Monoclonal antibody, mouse IgA and IgM
Separation method; Different molecular form; Chromatography, high performance liquid; Hydroxyapatite bead (Aoyama, K. (162) 201)

Monoclonal antibody, murine
Chimeric antibody, human-mouse; Specificity (Hamilton, R.G. (158) 107)

Monoclonal antibody, muscle
Dystrophin; Muscular dystrophy; ELISA; Immunoassay (Morris, G.E. (161) 23)

Monoclonal antibody neutralizing
Phage display; IL-3, human (Gram, H. (161) 169)

Monoclonal antibody pair selection
ELISA, one step; Activin A; Activin B (Wong, W.L.T. (165) 1)

Monoclonal antibody preparation
Sphingomyelinase; In vitro booster; Quantitative determination; Polypeptide analysis; Niemann-Pick disease (Rousson, R. (160) 199)

Monoclonal antibody production
High density hybridoma culture; Dialysis bag culture (Falkenberg, F.W. (165) 193)

Monoclonal antibody-specific immobilization of lymphocyte antigens, HLA
Monoclonal antibody (Sánchez, B. (157) 253)

Monoclonal IgG1 antibody
In vitro immunization; Class switch; T_H2 cell (Uthoff, S. (166) 165)

Monocyte
Clustering; Lymphocyte; Carbocyanine (Gant, V.A. (156) 179)

Phagocytosis; Oxidative burst; FcγR; Flow cytometry (Casado, J.A. (159) 173)

Cell concentration; Macrophage; Neutrophil; Superoxide (Tritsch, G.L. (160) 59)

Flow cytometry; CD11b; Neutrophil; Integrin (Repo, H. (164) 193)

Macrophage; Fluorometric quantification; 4,6-Diamidino-2-phenylindole; DNA (Shapira, L. (165) 93)

Monocyte depletion
Panning; CD14; Accessory function; T cell proliferation (Holtrop, S. (156) 217)

Mono Mac 6 cell
Oxidative burst; Fluorescence assay; 2′,7′-Dichlorofluorescin; Diacetate; J774 cell (Wan, C.P. (159) 131)

Mononuclear cell
Activated killer macrophage; Culture; Adoptive immunotherapy; GM-CSF; IL-3; M-CSF; IFN-γ, recombinant human (Lopez, M. (159) 29)

Monospecific antibody
Immunopurification; Peptide; ELISA; *Plasmodium falciparum* (Brahimi, K. (162) 69)

Morphine
Monoclonal antibody; Immunoassay (Usagawa, T. (157) 143)

MTT
Bactericidal assay; Colorimetric assay; XTT (Stevens, M.G. (157) 225)

Colorimetric assay; Tetrazolium salt; Platelet stimulation (Vanhée, D. (159) 253)

Colorimetric assay; Cytotoxicity assay; Proliferation assay (Hussain, R.F. (160) 89)

Myonecrosis; Antibody neutralization; Snake venom; *Micrurus* (Lomonte, B. (161) 231)

Chemotaxis; Colorimetric assay (Shi, Y. (164) 149)

Mucosal immunology
Asthma; T cell (McMenamin, C. (160) 219)

Multiple antigen peptide
$p34^{cdc2}$; Antipeptide antibody (Kamo, K. (156) 163)

Anti-peptide antibody; Anti-protein antibody; Synthetic vaccine; ELISA (Briand, J.-P. (156) 255)

Multivariate model
Logistic regression; Limiting dilution analysis; Single-hit Poisson model (Burleson, J.A. (159) 47)

Murine splenocyte
Polymer β-cyclodextrin; Fetal calf serum; Plaque-forming cell response (Yamamoto, I. (159) 153)

Muscular dystrophy
Dystrophin; ELISA; Immunoassay; Monoclonal antibody, muscle (Morris, G.E. (161) 23)

Mycobacterium
Macrophage; Infection; Polymerase chain reaction; Bactericidal activity; BCG (Barrera, L.F. (157) 91)

Mycobacterium tuberculosis
Electroelution; T cell antigen; SDS-PAGE; Culture filtrate (Andersen, P. (161) 29)

Mycoplasma
Cell line; Polymerase chain reaction; Hybridization (Hopert, A. (164) 91)

Myoglobin
Monoclonal antibody; Immunoassay; Biosensor; BIAcore; Real time biospecific interaction analysis (Johne, B. (160) 191)

Myonecrosis
MTT; Antibody neutralization; Snake venom; *Micrurus* (Lomonte, B. (161) 231)

N

Nanogram quantity of antigen
Nitrocellulose pellet; (Spleen) (Forrest, J.M.S. (159) 275)

Natural killer cell
Membrane fluorescence; Cellular cytotoxicity; Lymphokine activated killer cell; Activated T cell (Kroesen, B.-J. (156) 47)

Quantitative fluorescence microscopy; K562 cell; Fluo-3; Seminaphthorhodafluor 1; Patch clamp (Van Graft, M. (159) 145)

Cytotoxicity; Membrane potential; Flow cytometry (Radošević, K. (161) 119)

Lymphokine-activated killer cell; β-Galactosidase; K562 cell (Ohmori, H. (164) 131)

Panning; LAK cell; Cryopreservation (Voshol, H. (165) 21)

Flow cytometry; Cytotoxicity assay; Cyanine membrane dye; 3,3′-Dioctadecyloxacarbocyanine perchlorate (Chang, L. (166) 45)

Natural killer cell activity
Cytolysis; Cytotoxicity assay; Europium; Time-resolved fluorometry (Blomberg, K. (160) 27)

Europium labeling; Time-resolved fluorescence (Pacifici, R. (161) 135)

Negative selection
Basophil, human; Immunomagnetic bead; Histamine release (Bjerke, T. (157) 49)

Neuropsychiatric lupus
Chromatography, wheat germ lectin affinity; Temperature-induced phase separation; Brain integral membrane protein; Systemic lupus erythematosus; Antineuronal antibody (Hanly, J.G. (161) 107)

Neutralization assay
Enzyme immunoassay; Cytomegalovirus; Monoclonal antibody, human; Immediate early antigen (Tomiyama, T. (159) 71)

Neutralizing antibody
Detection; Cytotoxicity; Protection; Immune response; Vaccine efficacy; Shigella toxin; Influenza virus; Chikungunya virus (Van de Water, C. (166) 157)

Neutrophil
Adhesion; Endothelium; Fluorescent (Vaporciyan, A.A. (159) 93)

Cell concentration; Macrophage; Monocyte; Superoxide (Tritsch, G.L. (160) 59)

Flow cytometry; CD11b; Monocyte; Integrin (Repo, H. (164) 193)

Newcastle disease virus
Streptavidin; Biotin; Filtration; Detection; Biosensor; Light addressable potentiometric sensor; Immunoassay (Lee, W.E. (166) 123)

Niemann-Pick disease
Sphingomyelinase; Monoclonal antibody preparation; In vitro booster; Quantitative determination; Polypeptide analysis (Rousson, R. (160) 199)

Nitrocellulose
Chromatography, affinity; (Antibody) (Hammerl, P. (165) 59)

Nitrocellulose pellet
Nanogram quantity of antigen; (Spleen) (Forrest, J.M.S. (159) 275)

Nonlinear regression
Inverse regression; Inverse confidence interval; Bioassay; Drug potency determination (Alvord, W.G. (157) 155)

Non-radioactive
Chromatography, high performance liquid; mRNA; Quantitation; Polymerase chain reaction (Gaus, H. (158) 229)

Non-variant antigen
Trypanosome; Immunoplot; Immunoblot (Tidey, P.J. (161) 223)

Nucleated red blood cell
CD71; Cell Isolation (Bhat, N.M. (158) 277)

O

Octadecyl silica
Cell separation; IgM-bearing cell (Seeger, M. (162) 109)

Opsonizing antibody
Plasmodium falciparum; Phagocytosis; Immunoprotection (Gysin, J. (159) 209)

Oral immunization
α-1,6-Glucan; Dextran B512 (Tanaka, M. (159) 245)

Ornithine decarboxylase
Computer assisted epitope analysis; Solid-phase peptide synthesis; Monoclonal antibody; Active center (Schipper, R.G. (161) 205)

Osteoarthritis
Type II collagen; Monoclonal antibody; Articular cartilage; ELISA (Srinivas, G.R. (159) 53)

Osteocalcin antibody
Osteocalcin in serum; ELISA for osteocalcin (Kuronen, I. (163) 233)

Osteocalcin in serum
ELISA for osteocalcin; Osteocalcin antibody (Kuronen, I. (163) 233)

Ovalbumin
Polyclonal antibody; Monoclonal antibody; Ascites; (Mouse) (Mahana, W. (161) 187)

Oxidative burst
Fluorescence assay; 2′,7′-Dichlorofluorescin; Diacetate; J774 cell; Mono Mac 6 cell (Wan, C.P. (159) 131)

Monocyte; Phagocytosis; FcγR; Flow cytometry (Casado, J.A. (159) 173)

P

p34^{cdc2}
Multiple antigen peptide; Antipeptide antibody (Kamo, K. (156) 163)

PADGEM
ELAM-1; GMP140; CD62; Adhesion; Immunoglobulin fusion; E-Selectin; P-Selectin (Dietsch, M.T. (162) 123)

Palmitate-conjugated protein
Protein A; Cell-cell interaction; Artificial receptor (Kim, S.A. (158) 57)

Panning
Monocyte depletion; CD14; Accessory function; T cell proliferation (Holtrop, S. (156) 217)

Paramagnetic immunobead; Selection; Antigen-specific B cell; Monoclonal antibody; B cell clone; Mini-electrofusion (Steenbakkers, P.G.A. (163) 33)

Natural killer cell; LAK cell; Cryopreservation (Voshol, H. (165) 21)

Paper disc
Simultaneous multiple peptide synthesis; Epitope mapping; PEPSCAN; *Fel d* 1 (Van 't Hof, W. (161) 177)

Papillomavirus typing
Biotinylated DNA probe; Carcinoma cell line, human; Fluorescent in situ hybridization; Confocal laser scanning microscopy; Flow cytometry (Lizard, G. (157) 31)

Paramagnetic immunobead
Panning; Selection; Antigen-specific B cell; Monoclonal antibody; B cell clone; Mini-electrofusion (Steenbakkers, P.G.A. (163) 33)

Paraprotein
IgM; Immunoglobulin; Polyethylene glycol; Purification (Tatum, A.H. (158) 1)

Particle bombardment
Transfection; Lymphocyte; Macrophage; Transgene (Burkholder, J.K. (165) 149)

Passive immunization
Actinobacillus pleuropneumoniae; Monoclonal antibody (Stenbæk, E. (156) 267)

Patch clamp
Quantitative fluorescence microscopy; Natural killer cell; K562 cell; Fluo-3; Seminaphthorhodafluor 1 (Van Graft, M. (159) 145)

Pathogenesis
In situ; Polymerase chain reaction; Latency; Tumor load; Viral load; HIV-1 (Bagasra, O. (158) 131)

PEPSCAN
Simultaneous multiple peptide synthesis; Epitope mapping; Paper disc; *Fel d* 1 (Van 't Hof, W. (161) 177)

Pepsin
IgG; Fragment; F(ab′)$_2$; Fab/c; (Antibody) (Rea, D.W. (157) 165)

Pepstatin A
HIV-1 protease; ELISA (Mansfeld, H.-W. (161) 151)

Peptide
Immunopurification; Monospecific antibody; ELISA; *Plasmodium falciparum* (Brahimi, K. (162) 69)

Peptide antigenicity
Corticotrophin releasing factor; Immunoradiometric assay; Interleukin-1 (Hagan, P. (160) 11)

Peptide binding
MHC class I; Affinity measurement; RMA-S; T2 (Elvin, J. (158) 161)

Europium; Class II major histocompatibility complex; Antigen processing (Tompkins, S.M. (163) 209)

Peptide vaccine
Synthetic peptide; Iscom; Immunogenicity; Chemical conjugation (Larsson, M. (162) 257)

Percoll gradient
Eosinophil; *N*-Formyl-methionyl-leucyl-phenylalanine; Magnetic cell sorter (Laviolette, M. (165) 253)

Peridinin chlorophyll protein
AIDS; Flow cytometry; Phenotypic analysis; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Perinatal infection
HIV-1; In vitro culture; (Antibody) (Indraccolo, S. (157) 105)

Peripheral blood lymphocyte, human
In vitro immunization; *Candida albicans*; Antibody secreting cells; ELISPOT (Giacomini, E. (164) 203)

Peripheral blood mononuclear cell
Cytokine; Immunoenzymetric assay; Immunohistochemical assay; Spleen cell (Sander, B. (166) 201)

Peripheral B lymphocyte
Monoclonal antibody, human; Hybridoma; CD40 system (Darveau, A. (159) 139)

Peritoneal membrane
Adhesion; Connective tissue deposition; Fibrosis; Growth factor; Macrophage (Frazier-Jessen, M.R. (162) 115)

Peroxidase
Enzyme immunoassay; Dot analysis; IgG; Flow injection analysis (Gorovits, B.M. (157) 11)

Phage display
Monoclonal antibody neutralizing; IL-3, human (Gram, H. (161) 169)

Phagocyte
2′,7′-Dichlorofluorescin-diacetate; Automated microplate assay; Respiratory burst (Rosenkranz, A.R. (156) 39)

Phagocytosis
Monocyte; Oxidative burst; FcγR; Flow cytometry (Casado, J.A. (159) 173)

Plasmodium falciparum; Immunoprotection; Opsonizing antibody (Gysin, J. (159) 209)

Fluorescence assay; Fluorescein; J774 cell; Microplate fluorometer (Wan, C.P. (162) 1)

Phagocytosis assay
Macrophage; Gentamicin; *Escherichia coli*; *Yersinia enterocolitica* (Tabrizi, S.N. (158) 201)

Phenotypic analysis
AIDS; Flow cytometry; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Phocid
Canine distemper virus; Immunoglobulin; Monoclonal antibody (King, D.P. (160) 163)

Phorbol myristate acetate
Interleukin-4; Human peripheral blood mononuclear cell; Tetanus toxoid; Purified protein derivate of tuberculin; Ionomycin (Kurtzhals, J.A.L. (156) 239)

Phosphoenolpyruvate
Basophil; IgE; Membrane; Phosphoinositide; α-Toxin (Kuhn, D.E. (157) 81)

Phosphoinositide
Basophil; IgE; Membrane; Phosphoenolpyruvate; α-Toxin (Kuhn, D.E. (157) 81)

Phosphorylcholine
Lateral diffusion; Cell culture; *Trichinella*; Antibody-forming cell; in vitro (Ubeira, F.M. (159) 107)

C-reactive protein; Binding assay; Ca^{2+} binding; Affinity capillary electrophoresis (Heegaard, N.H.H. (166) 103)

Photo-cross linker
Monoclonal antibody, chemically modified; Immunohistochemistry (Masuko, T. (165) 67)

Photosensitizer
Immunoconjugate; (Antibody) (Lu, X.-M. (156) 85)

Photothermal deflection
Dot immunobinding assay; ELISA; Carcinoembryonic antigen; IgE (Matsuzawa, S. (161) 59)

Phycoerythrin
Flow cytometry; Fc receptor; (Mouse) (Takizawa, F. (162) 269)

Plaque-forming cell response
Polymer β-cyclodextrin; Fetal calf serum; Murine splenocyte (Yamamoto, I. (159) 153)

Plasma
Fibronectin; Serum; Immunoassay (Ylätupa, S. (163) 41)

Plasmodium falciparum
Phagocytosis; Immunoprotection; Opsonizing antibody (Gysin, J. (159) 209)

Immunopurification; Monospecific antibody; Peptide; ELISA (Brahimi, K. (162) 69)

Platelet
Immunoprecipitation; Alloantigen; Biotin; Glycoprotein; (Antigen) (Smith, J.W. (158) 77)

Platelet-activating factor
IL-4; Polymerase chain reaction; Thymocyte; T cell; (Mouse) (Barthelson, R.A. (161) 67)

Radioimmunoassay; Liver cirrhosis; Disseminated intravascular coagulation (Sugatani, J. (166) 251)

Platelet stimulation
Colorimetric assay; Tetrazolium salt; MTT (Vanhée, D. (159) 253)

Pneumococcal antibody
ELISA; *C*-Polysaccharide antibody inhibition; IgG; (Subclass) (Konradsen, H.B. (164) 13)

Poly(A)
Monoclonal antibody; RNA-DNA hybrid; mRNA (Kitagawa, Y. (164) 5)

Polyamine
Spermine; Spermidine; Immunoassay; Wheat seedling (Garthwaite, I. (162) 175)

Polyclonal antibody
Ovalbumin; Monoclonal antibody; Ascites; (Mouse) (Mahana, W. (161) 187)

Polyclonal ascites fluid
Ribi adjuvant (Ou, S.K.-h. (165) 75)

Polyethylene glycol
IgM; Paraprotein; Immunoglobulin; Purification (Tatum, A.H. (158) 1)

Polymerase chain reaction
Macrophage; Mycobacterium; Infection; Bactericidal activity; BCG (Barrera, L.F. (157) 91)

In situ; Pathogenesis; Latency; Tumor load; Viral load; HIV-1 (Bagasra, O. (158) 131)

Chromatography, high performance liquid; mRNA; Non-radioactive; Quantitation (Gaus, H. (158) 229)

Cytokine; T lymphocyte; RNA; Gene expression (Melby, P.C. (159) 235)

Hepatitis C virus; Enzyme immunoassay; Immunoblot; RIBA-II; Recombinant immunoblot assay, second generation (Craske, J. (160) 227)

DNA sequencing; T cell receptor; Ligation-mediated polymerase chain reaction (Tsuruta, Y. (161) 7)

IL-4; Thymocyte; T cell; Platelet-activating factor; (Mouse) (Barthelson, R.A. (161) 67)

Lymphocyte activation; Lymphokine mRNA expression (Kramnik, I. (162) 143)

Mycoplasma; Cell line; Hybridization (Hopert, A. (164) 91)

Cytokine; mRNA; Quantitative (Reiner, S.L. (165) 37)

Polymerase chain reaction, semi-quantitative
Schistosoma mansoni; T helper; Interleukin; Reverse transcription (Murphy, E. (162) 211)

Polymer β-cyclodextrin
Fetal calf serum; Murine splenocyte; Plaque-forming cell response (Yamamoto, I. (159) 153)

Polynucleotide
Covalent; Polystyrene; Hapten; Protein; ELISA (Niveleau, A. (159) 177)

Polypeptide analysis
Sphingomyelinase; Monoclonal antibody preparation; In vitro booster; Quantitative determination; Niemann-Pick disease (Rousson, R. (160) 199)

Polysaccharide
ELISPOT; Tetanus toxoid; Diphtheria toxoid; Affinity; Avidity (Barington, T. (156) 191)

***C*-Polysaccharide antibody inhibition**
ELISA; Pneumococcal antibody; IgG; (Subclass) (Konradsen, H.B. (164) 13)

Polysaccharide chemistry
Hapten substitution; Labelling; Conjugation; Immunoadsorbent; Chromatography affinity (Ey, P.L. (160) 135)

Polystyrene
Covalent; Hapten; Protein; Polynucleotide; ELISA (Niveleau, A. (159) 177)

Polyvinylidene difluoride
In vitro immunization; 6-Pyruvoyl tetrahydropterin synthase; Monoclonal antibody; Tetrahydrobiopterin (Guzman, J. (158) 37)

Polyvinylidene difluoride membrane
Anti-ganglioside antibody; Immunodetection; Dot blot (Chabraoui, F. (165) 225)

Positive selection
$CD8^{bright}$ cell; $CD8^{dim}$ cell (Prince, H.E. (165) 139)

Primed lymphocyte
Serine protease; Cytolysis; Granule polarization (Wagner, L. (160) 173)

Profile II
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Simultaneous three-color method; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Prokaryotic expression
Recombinant preproinsulin; Insulin autoantibody; Insulin-dependent diabetes mellitus; Chromatography, affinity (Berg, H. (164) 221)

Proliferation
In vitro; Culture medium; Glutamine; Ammonia (Heeneman, S. (166) 85)

Proliferation assay
Colorimetric assay; MTT; Cytotoxicity assay (Hussain, R.F. (160) 89)

Properdin
Complement; Complement activation; Complement deficiency; Complement fixation test; ELISA (Fredrikson, G.N. (166) 263)

Propidium iodide
Flow cytometry; Lymphocyte subsets; Technical influence; Viability (Ekong, T. (164) 263)

Prostaglandin H synthase
Enzyme immunoassay; Detergent; Membrane protein (Ruan, K.-H. (162) 23)

Protease
Type I collagen; Lymphocyte; Locomotion; Locomotion inhibitor; Interstitium; Tumor matrix (Gutman, H. (157) 175)

Protection
Neutralizing antibody; Detection; Cytotoxicity; Immune response; Vaccine efficacy; Shigella toxin; Influenza virus; Chikungunya virus (Van de Water, C. (166) 157)

Protein
Covalent; Polystyrene; Hapten; Polynucleotide; ELISA (Niveleau, A. (159) 177)

Protein A
Palmitate-conjugated protein; Cell-cell interaction; Artificial receptor (Kim, S.A. (158) 57)

ELISA; Competition assay; Protein denaturation; Cytochrome *c*; Coiled coil (Ngai, P.K.M. (158) 267)

Magnetic bead; Protein G; Monoclonal antibody; Immunoassay (Widjojoatmodjo, M.N. (165) 11)

Proteinase-3
α_1-Antitrypsin; Anti-neutrophil cytoplasmic antibody; Purulent sputum (Ballieux, B.E.P.B. (159) 63)

Protein denaturation
ELISA; Protein A; Competition assay; Cytochrome *c*; Coiled coil (Ngai, P.K.M. (158) 267)

Protein G
Europium; Time-resolved fluorometry; Fluoroimmunoassay; Tetanus antibody (Markela, E. (161) 1)

Magnetic bead; Protein A; Monoclonal antibody; Immunoassay (Widjojoatmodjo, M.N. (165) 11)

Protein L
Immunoglobulin; Fab; Fv; Chromatography, affinity; (Humanized) (Nilson, B.H.K. (164) 33)

Pseudomonas aeruginosa
Elastase; ELISA (Jaffar-Bandjee, M.-C. (164) 27)

Purification
IgM; Paraprotein; Immunoglobulin; Polyethylene glycol (Tatum, A.H. (158) 1)

Monoclonal antibody; Fetal calf serum; IgG, bovine (Darby, C.R. (159) 125)

Antigen binding fragment; Enzymatic digestion; IgY (Akita, E.M. (162) 155)

Purification method
Comparison; Egg yolk; IgY (Akita, E.M. (160) 207)

Purified Ig standards
ELISA; Monoclonal antibody; IgG subclass; IgM; Immunoglobulin purification (Mushens, R.E. (162) 77)

Purified protein derivate of tuberculin
Interleukin-4; Human peripheral blood mononuclear cell; Tetanus toxoid; Phorbol myristate acetate; Ionomycin (Kurtzhals, J.A.L. (156) 239)

Purulent sputum
Proteinase-3; α_1-Antitrypsin; Anti-neutrophil cytoplasmic antibody (Ballieux, B.E.P.B. (159) 63)

Pyrophosphate
DNA; Biotechnology; Dosage; Gene amplification (Tabary, T. (156) 55)

6-Pyruvoyl tetrahydropterin synthase
In vitro immunization; Polyvinylidene difluoride; Monoclonal antibody; Tetrahydrobiopterin (Guzman, J. (158) 37)

Q

Qualitative assay
False positive rate; False negative rate (Bishop, J. (166) 191)

Quantification of cell locomotion
Lymphocyte migration; Cell tracking; Trajectory; Collagen matrix; Integrin (Friedl, P. (165) 157)

Quantitation
Chromatography, high performance liquid; mRNA; Non-radioactive; Polymerase chain reaction (Gaus, H. (158) 229)

Quantitative
Cytokine; mRNA; Polymerase chain reaction (Reiner, S.L. (165) 37)

Quantitative determination
Sphingomyelinase; Monoclonal antibody preparation; In vitro booster; Polypeptide analysis; Niemann-Pick disease (Rousson, R. (160) 199)

Quantitative fluorescence microscopy
Natural killer cell; K562 cell; Fluo-3; Seminaphthorhodafluor 1; Patch clamp (Van Graft, M. (159) 145)

Quantitative polymerase chain reaction method
T cell cytokine mRNA induction (Babu, J.S. (165) 207)

R

Radioimmunoassay
Human growth hormone; Recombinant; Radioiodination; Reference preparation (Ribela, M.T.C.P. (159) 269)

Platelet-activating factor; Liver cirrhosis; Disseminated intravascular coagulation (Sugatani, J. (166) 251)

Radioiodination
Human growth hormone; Recombinant; Radioimmunoassay; Reference preparation (Ribela, M.T.C.P. (159) 269)

Ras oncogene
Monoclonal antibody, human; Lymphoblastoid cell line; Retroviral vector (Shammah, S. (160) 19)

Reactive oxygen species
Azide; Dichlorofluorescein diacetate; Dihydrorhodamine 123; Flow cytometry; Granulocyte (Smith, J.A. (162) 261)

Real time biospecific interaction analysis
Monoclonal antibody; Myoglobin; Immunoassay; Biosensor; BIAcore (Johne, B. (160) 191)

Receptor
L-Selectin; Shedding; ELISA; Leukocyte (Spertini, O. (156) 115)

Granulocyte-macrophage colony-stimulating factor; Immunocytochemistry; Cytokine; Digoxigenin (Roncaroli, F. (158) 191)

Recombinant
Human growth hormone; Radioimmunoassay; Radioiodination; Reference preparation (Ribela, M.T.C.P. (159) 269)

Recombinant antigen
Autoimmune disease; Systemic sclerosis; ELISA; Topoisomerase I; Scl-70 (Seelig, H.P. (165) 241)

Recombinant immunoblot assay, second generation
Hepatitis C virus; Enzyme immunoassay; Immunoblot; RIBA-II; Polymerase chain reaction (Craske, J. (160) 227)

Recombinant preproinsulin
Prokaryotic expression; Insulin autoantibody; Insulin-dependent diabetes mellitus; Chromatography, affinity (Berg, H. (164) 221)

Recombinant vaccinia virus
Cytotoxic T lymphocyte; Anti-CD40; B cell line; Cytotoxic T lymphocyte epitope; Epstein-Barr virus; Lymphoblastoid cell line (Khanna, R. (164) 41)

Red blood cell lysis
Flow cytometry; HIV; HIV inactivation; Formaldehyde (Nicholson, J.K.A. (160) 215)

Reference preparation
Human growth hormone; Recombinant; Radioimmunoassay; Radioiodination (Ribela, M.T.C.P. (159) 269)

Release
Eosinophil; Eosinophil cationic protein; Eosinophil protein X; Eosinophil derived neurotoxin; Methodology (Reimert, C.M. (166) 183)

Release kinetic
Cellular cytotoxic assay; [^{35}S]methionine; [^{75}Se]selenomethionine; Chromium-51; Dual labe ing (Heymer, J. (161) 217)

Renin cleavage
Immunodetection of recombinant proteins; Metal binding peptide; Immobilized metal affinity chromatography; HIV-1 reverse transcriptase (Evans, D.B. (156) 231)

Respiratory burst
2′,7′-Dichlorofluorescin-diacetate; Automated microplate assay; Phagocyte (Rosenkranz, A.R. (156) 39)

Retinoic acid
ELISA; Transforming growth factor β_1; Anti-transforming growth factor β_1 antibody; Fibrosarcoma cell, human; Submaxillary gland; (Spleen) (Danielpour, D. (158) 17)

Retroviral vector
Monoclonal antibody, human; Lymphoblastoid cell line; Ras oncogene (Shammah, S. (160) 19)

Reverse transcription
Schistosoma mansoni; T helper; Interleukin; Polymerase chain reaction, semi-quantitative (Murphy, E. (162) 211)

Rheumatoid arthritis
Hypodense eosinophil; Density gradient centrifugation; Asthma (Moens, M.M. (156) 271)

Glycosylation; Immunoglobulin G purification (Bond, A. (166) 27)

RIBA-II
Hepatitis C virus; Enzyme immunoassay; Immunoblot; Recombinant immunoblot assay, second generation; Polymerase chain reaction (Craske, J. (160) 227)

Ribi adjuvant
Polyclonal ascites fluid (Ou, S.K.-h. (165) 75)

Ricin A chain
Immunotoxin; (Antibody) (Ghetie, V. (166) 117)

Ring transducer
Ultrasound; Ultrasonic standing wave field; Agglutination test; Immunoprecipitation (Grundy, M.A. (165) 47)

RMA-S
Peptide binding; MHC class I; Affinity measurement; T2 (Elvin, J. (158) 161)

RNA
Cytokine; T lymphocyte; Polymerase chain reaction; Gene expression (Melby, P.C. (159) 235)

mRNA
Chromatography, high performance liquid; Non-radioactive; Quantitation; Polymerase chain reaction (Gaus, H. (158) 229)

Monoclonal antibody; RNA-DNA hybrid; Poly(A) (Kitagawa, Y. (164) 5)

Kupffer cell; Tumor necrosis factor; IL-1β; (Liver) (Janousek, J. (164) 109)

Cytokine; Polymerase chain reaction; Quantitative (Reiner, S.L. (165) 37)

RNA-DNA hybrid
Monoclonal antibody; Poly(A); mRNA (Kitagawa, Y. (164) 5)

S

Sandell-Kolthoff reaction
Iodine label; Immunoassay; Human antibody level (O'Kennedy, R. (163) 225)

Schistosoma
High performance electrophoretic chromatography; T cell antigen; Vaccination; Th1 lymphocyte (Mountford, A.P. (160) 237)

Schistosoma mansoni
T helper; Interleukin; Reverse transcription; Polymerase chain reaction, semi-quantitative (Murphy, E. (162) 211)

SCID mouse
CD4$^+$ T cell clone; Adoptive transfer; Clonal T cell growth in vivo (Rudolphi, A. (158) 27)

Scl-70
Autoimmune disease; Systemic sclerosis; ELISA; Topoisomerase I; Recombinant antigen (Seelig, H.P. (165) 241)

SDS-PAGE
Viral antigen; Bacterial antigen; T cell proliferation; T cell clone; Latex microsphere (Katrak, K. (156) 247)

Monoclonal antibody; Affinity adsorption; Hepatitis B surface antigen; Hepatitis B e antigen (Takahashi, K. (157) 217)

Electroelution; *Mycobacterium tuberculosis*; T cell antigen; Culture filtrate (Andersen, P. (161) 29)

Secretion
Lymphokine; T lymphokine; Cyclosporin A (Trenn, G. (161) 41)

E-Selectin
ELAM-1; GMP140; CD62; PADGEM; Adhesion; Immunoglobulin fusion; P-Selectin (Dietsch, M.T. (162) 123)

L-Selectin
Shedding; Receptor; ELISA; Leukocyte (Spertini, O. (156) 115)

P-Selectin
ELAM-1; GMP140; CD62; PADGEM; Adhesion; Immunoglobulin fusion; E-Selectin (Dietsch, M.T. (162) 123)

Selection
Panning; Paramagnetic immunobead; Antigen-specific B cell; Monoclonal antibody; B cell clone; Mini-electrofusion (Steenbakkers, P.G.A. (163) 33)

Selective conjugation
Specific antibody; Spacer arm; Tricyclic antidepressant; Major depressive disorder; Fluorescence polarization (Adamczyk, M. (162) 47)

Specific antibody; Spacer arm; Tricyclic antidepressant; Major depressive disorder; Fluorescence polarization (Adamczyk, M. (163) 187)

Seminaphthorhodafluor 1
Quantitative fluorescence microscopy; Natural killer cell; K562 cell; Fluo-3; Patch clamp (Van Graft, M. (159) 145)

Separation method
Different molecular form; Monoclonal antibody, mouse IgA and IgM; Chromatography, high performance liquid; Hydroxyapatite bead (Aoyama, K. (162) 201)

Sepsis
Interleukin-8; ELISA (Ida, N. (156) 27)

Septic shock
Tumor necrosis factor, porcine; Bioassay (Bertoni, G. (160) 267)

Serine protease
Primed lymphocyte; Cytolysis; Granule polarization (Wagner, L. (160) 173)

Serum
ELISA, sandwich; Choline acetyltransferase; Cerebrospinal fluid (Ostermann-Latif, C. (157) 73)

Fibronectin; Plasma; Immunoassay (Ylätupa, S. (163) 41)

Serum, human
Elastin peptide; Elastin degradation; ELISA (Wei, S.M. (164) 175)

Serum IL-2 inhibitor
IL-2; Anti-IL-2 receptor antibody; CTLL-2; Enzyme kinetics equation (Svirshchevskaya, E.V. (159) 17)

Serum / plasma tetrazolium salt reduction
Tumor necrosis factor α bioassay; Serum/plasma tumor necrosis factor activity (Nargi, F.E. (159) 81)

Serum / plasma tumor necrosis factor activity
Tumor necrosis factor α bioassay; Serum/plasma tetrazolium salt reduction (Nargi, F.E. (159) 81)

[^{75}Se]selenomethionine
Cellular cytotoxic assay; [^{35}S]methionine; Chromium-51; Dual labelling; Release kinetic (Heymer, J. (161) 217)

Shedding
L-Selectin; Receptor; ELISA; Leukocyte (Spertini, O. (156) 115)

Shigella toxin
Neutralizing antibody; Detection; Cytotoxicity; Protection; Immune response; Vaccine efficacy; Influenza virus; Chikungunya virus (Van de Water, C. (166) 157)

Sialidase (neuraminidase)
Clostridial myonecrosis; Immunoassay; Diagnosis; *Clostridium perfringens*; *Clostridium septicum*; *Clostridium sordellii* (Roggentin, T. (157) 125)

Sialoglycoprotein
Glycophorin; Immunoassay; ELISA; Erythrocyte membrane (Herráez, A. (162) 225)

Sib-selection
Hybrid; Switch variant; Clone; (Antibody) (Faguet, G.B. (165) 217)

Silica
ELISA; Glycolipid; Sulfolipid; Ganglioside; Casein; Chondroitin sulfate (Frey II, W.H. (164) 275)

Simultaneous multiple peptide synthesis
Epitope mapping; PEPSCAN; Paper disc; *Fel d* I (Van 't Hof, W. (161) 177)

Simultaneous three-color method
AIDS; Flow cytometry; Phenotypic analysis; Peridinin chlorophyll protein; Immunophenotyping; Three-color immunofluorescence; T gating; FACScan; Profile II; Tandem fluorochromes; Lineage specific gating; CD4 subset; CD8 subset; T cell subset (Mandy, F.F. (156) 151)

Single-chain antibody
Variable region; Antibody fragment; Cloning; Hybridoma; In vitro expression (Nicholls, P.J. (165) 81)

Single-hit Poisson model
Logistic regression; Limiting dilution analysis; Multivariate model (Burleson, J.A. (159) 47)

Single reagent
Affinity; Fluorescent tracer (Colbert, D.L. (161) 269)

Skin blood flow
Tuberculin reaction; Delayed hypersensitivity; Dynamic thermography (Abbot, N.C. (162) 97)

Small intestinal biopsy
Epithelial cell; Flow cytometric analysis; Major histocompatibility complex-class II molecule (Madrigal, L. (158) 207)

[^{35}S]methionine
Cellular cytotoxic assay; [^{75}Se]selenomethionine; Chromium-51; Dual labelling; Release kinetic (Heymer, J. (161) 217)

Snake venom
MTT; Myonecrosis; Antibody neutralization; *Micrurus* (Lomonte, B. (161) 231)

Solid-phase antigen
Affinity constant; *Fel d* I; Monoclonal antibody (Van Milligen, F.J. (162) 165)

Solid-phase peptide synthesis
Ornithine decarboxylase; Computer assisted epitope analysis; Monoclonal antibody; Active center (Schipper, R.G. (161) 205)

Spacer arm
Specific antibody; Selective conjugation; Tricyclic antidepressant; Major depressive disorder; Fluorescence polarization (Adamczyk, M. (162) 47)

Specific antibody; Selective conjugation; Tricyclic antidepressant; Major depressive disorder; Fluorescence polarization (Adamczyk, M. (163) 187)

Specific antibody
Spacer arm; Selective conjugation; Tricyclic antidepressant; Major depressive disorder; Fluorescence polarization (Adamczyk, M. (162) 47)

Spacer arm; Selective conjugation; Tricyclic antidepressant; Major depressive disorder; Fluorescence polarization (Adamczyk, M. (163) 187)

Specific IgE assay
Allergen (Olivieri, V. (157) 65)

Specificity
Chimeric antibody, human-mouse; Monoclonal antibody, murine (Hamilton, R.G. (158) 107)

Anti-dsDNA antibody; ELISA (Rupin, A. (160) 245)

Spectrofluorimeter
Hoechst 33258; DNA assay; Microtiter plate; ELISA (Papadimitriou, E. (162) 41)

Spermidine
Spermine; Polyamine; Immunoassay; Wheat seedling (Garthwaite, I. (162) 175)

Spermine
Spermidine; Polyamine; Immunoassay; Wheat seedling (Garthwaite, I. (162) 175)

Sphingomyelinase
Monoclonal antibody preparation; In vitro booster; Quantitative determination; Polypeptide analysis; Niemann-Pick disease (Rousson, R. (160) 199)

Spin column
Biotinylation; Meningococcal capsular polysaccharide; Enzyme immunoassay; Alkaline phosphatase; Blocking buffer (Diaz Romero, J. (160) 35)

Spleen
Adenovirus induced tumor, human; 1,1′-Dioctadecyl-3,3,3′,3′-tetramethylindocarbocyanine perchlorate; Homing; Cytotoxic T cell; Human papillomavirus-induced tumor; (Mouse) (Toes, R.E.M. (163) 23)

Spleen cell
Cytokine; Immunoenzymetric assay; Immunohistochemical assay; Peripheral blood mononuclear cell (Sander, B. (166) 201)

Standardization
Anti-neutrophil cytoplasmic antibody; Immunofluorescence; Wegener's granulomatosis; Vasculitis (Hagen, E.C. (159) 1)

Steroid
Covalent coupling; ELISA; CovaLink NH (Yonezawa, S. (166) 55)

Streptavidin
Avidin-biotin system; Targeted proteolysis; Cell sorting; Transferrin receptor (Alon, R. (165) 127)

Affinity; Avidity; Anti-biotin; Enzyme immunoassay (Vincent, P. (165) 177)

Newcastle disease virus; Biotin; Filtration; Detection; Biosensor; Light addressable potentiometric sensor; Immunoassay (Lee, W.E. (166) 123)

Streptavidin-biotin
Immunofluorometric assay; Tumor-associated trypsin inhibitor (Osman, S. (161) 97)

Submaxillary gland
ELISA; Transforming growth factor β_1; Anti-transforming growth factor β_1 antibody; Retinoic acid; Fibrosarcoma cell, human; (Spleen) (Danielpour, D. (158) 17)

Sulfolipid
ELISA; Silica; Glycolipid; Ganglioside; Casein; Chondroitin sulfate (Frey II, W.H. (164) 275)

Supernatant screening
Monoclonal antibody, anti-peptide; ELISA; Anti-immunoglobulin antibody; False positive results (Smith, S.C. (158) 151)

Superoxide
Cell concentration; Macrophage; Monocyte; Neutrophil (Tritsch, G.L. (160) 59)

Surface antigen
Magnetic bead; Cell separation; Confocal microscopy (Rubbi, C.P. (166) 233)

Surface phenotyping
Basophil; Flow cytometry: Monoclonal antibody (Takahashi, K. (162) 17)

Switch variant
Hybrid; Clone; Sib-selection; (Antibody) (Faguet, G.B. (165) 217)

Synthetic HIV peptide
ELISA, combination; HBsAg detection; Anti-HIV antibody detection; Dual-marker enzyme system; HIV; HBs; Hepatitis B (Porstmann, T. (158) 95)

Synthetic peptide
Keyhole limpet hemocyanin; Amino acid analysis; Heterobifunctional crosslinker; Conjugate; Least square (Shuler, K.R. (156) 137)

Iscom; Immunogenicity; Chemical conjugation; Peptide vaccine (Larsson, M. (162) 257)

Inhibin; Activin; Monoclonal antibody; ELISA (Groome, N. (165) 167)

Synthetic vaccine
Multiple antigen peptide; Anti-peptide antibody; Anti-protein antibody; ELISA (Briand, J.-P. (156) 255)

Systemic lupus erythematosus
Complement; Complement activation (Porcel, J.M. (157) 1)

Chromatography, wheat germ lectin affinity; Temperature-induced phase separation; Brain integral membrane protein; Antineuronal antibody; Neuropsychiatric lupus (Hanly, J.G. (161) 107)

Systemic sclerosis
Autoimmune disease; ELISA; Topoisomerase I; Scl-70; Recombinant antigen (Seelig, H.P. (165) 241)

T

T2
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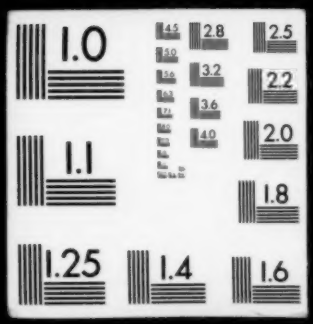
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